

62
Flower and Vegetable Seeds - Summer Flowering Bulbs and Supplies

1963 Catalog

PETUNIAS

See pages 17, 18, 19

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DEC 13 1962

U. S. DEPARTMENT OF AGRICULTURE



A. H. Hummert Seed Co.

2746-48 Chouteau Ave.

Phone: PRospect 1-0646

ST. LOUIS 3, MISSOURI

A. H. HUMMERT SEED CO.

Catalog for 1963

PRICES ARE SUBJECT TO MARKET CHANGES.

SUGGESTIONS FOR ORDERING

USE OUR ORDER SHEET. It will be of great help to us in filling your order correctly and speedily, if you will use the Order Sheet sent you with the catalog. **Please Keep a Copy of Your Order.**

NO C.O.D. SHIPMENTS. We advise against C.O.D. orders because of delays and excessively high collection charges.

Flower seeds are shipped parcel post prepaid.

ALL OTHER ITEMS ARE NOT PREPAID. Please include sufficient postage with cash orders. Postage will be billed on Charge Orders.

PARCEL POST SHIPMENT. Check with your local post office for your zone, also the weight and size of package that can be sent by Parcel Post and the amount of postage necessary.

TERMS: 30 days on approved credit for Vegetable or Flower Seed, Bulbs, Fertilizers, Supplies, Insecticides.

CASH DISCOUNT: We allow 2% discount for cash, if check is sent with order, on orders for \$5.00 or more on Flower Seed, Vegetable Seed, Bulbs, Fertilizers, Insecticides and Supplies.

ROUTING. Please give explicit shipping directions with each order, if wanted by **Express, Truck or Freight.** If no directions are given, we will use our best judgment, but all goods travel at purchaser's risk.

A. H. HUMMERT SEED COMPANY gives no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants it sells. It is expressly agreed that the limit of liability for all claims for loss or damage due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage of the crop.

LAWN GRASS SEED

All our Lawn Grasses are re-cleaned and tested for highest quality, purity and germination.

One pound of Lawn Seed will sow 10x30 feet; 75 to 100 pounds to the acre.

Lawn seed wanted by parcel post, add postage; check your zone rates.

VELVET LAWN SEED

OUR FINEST LAWN MIXTURE

Composed of the Best Lawn Grasses

A balanced mixture of Selected Kentucky Bluegrass, Red Fescue, Chewings Fescue, Red Top, White Dutch Clover. 3 lbs., \$2.40; 5 lbs., \$3.75; 10 lbs., \$7.50; 25 lbs., \$16.50; 100-lb. bag, 52c lb.

ARBORETUM BLUEGRASS

Arboretum Bluegrass is a natural selection. The original plot in the Arboretum of the Missouri Botanical Gardens. Superior performance under severe conditions of drought and heat. 1-lb. bag, \$1.00; 5 lbs., \$4.50; 10 lbs., \$9.00.

BENT, HIGHLAND

An excellent all-around Bent for lawns, greens, parks and playing fields; grows on wide range of soils. 1 lb., 85c; 5 lbs., \$3.75; 10 lbs., \$7.50; 25 lbs., \$16.25.

SEASIDE BENT

This is a true unmixed Creeping Bent which spreads by surface runners instead of by the underground root. 1 lb., \$2.25; 5 lbs., \$11.00; 25 lbs., \$52.50.

BERMUDA

It is of dwarf habit with long creeping stems, rooting at the joint and covering the ground with a matting of fine turf. 1 lb., 90c; 5 lbs., \$4.00; 10 lbs., \$8.00; 25 lbs., \$17.50.

BLUE GRASS, KENTUCKY (Poa pratensis)

Fancy extra re-cleaned. Kentucky Blue Grass is largely used for lawns and when once established, lasts indefinitely. 5 lbs., \$3.50; 10 lbs., \$7.00; 25 lbs., \$16.25; 100-lb. bag, 48c per lb.

BLUE GRASS, KENTUCKY SUPREME BRAND

96 per cent pure. This seed is re-cleaned to the highest purity obtainable. 5 lbs., \$4.00; 10 lbs., \$8.00; 25 lbs., \$17.45.

MERION KENTUCKY BLUE GRASS

A new selection of blue grass of a wider blade and darker green color. 1 lb., \$1.50; 5 lbs., \$7.00; 10 lbs., \$14.00.

CHEWINGS FESCUE

This grass is valuable on sandy soils and in shade. Chewings Fescue is a perennial with a fine blade and a spreading root system. 5 lbs., \$2.50; 10 lbs., \$5.00; 25 lbs., \$10.00; 100-lb. bag, 36c per lb.

CREEPING RED FESCUE

A variety of Fescue; superior to Chewings. This fine-leaved grass produces a bright green turf. 5 lbs., \$2.50; 10 lbs., \$5.00; 25 lbs., \$10.00; 100-lb. bag, 36c per lb.

CLOVER, WHITE or DUTCH FOR LAWNS

A low growing Clover. Very desirable for beautifying the lawn. 1 pound covers 600 sq. ft. 1/2 lb., 85c; 1 lb., \$1.60; 5 lbs., \$7.50.

GREEN TURF MIXTURE

Mixed of the best Turf Grasses, Kentucky Blue, Chewings and Red Fescue, Red Top, Bent Grass, Perennial Rye. 5 lbs., \$2.75; 25 lbs., \$11.50; 100 lbs., 42c per lb.

KY. 31 FESCUE

Excellent for roadsides, athletic fields, airports, etc.—quite drought resistant—deep rooted, coarse for lawn purposes. 5 lbs., \$2.50; 25 lbs., \$10.00; 50 lbs., 38c per lb.

RED TOP, FANCY

Red Top is a remarkable grass accommodating itself to a variety of soils and conditions. It is strongly drought resistant. 5 lbs., \$3.00; 10 lbs., \$6.00; 25 lbs., \$11.25; 100 lbs., 40c per lb.

RYE GRASS, PERENNIAL, CERTIFIED BLUE TAG

A hardy grass for quick growth, suitable for lawns and meadows. 5 lbs., \$1.50; 10 lbs., \$3.00; 25 lbs., \$5.50; 100 lbs., \$16.00.

RYE GRASS, ANNUAL

Succeeds well on almost any soil, but is particularly adapted to moderately moist lands. 5 lbs., \$1.50; 10 lbs., \$3.00; 25 lbs., \$5.50; 100 lbs., \$16.00.

SHADY LAWN MIXTURE

Blended of species that have been proven by test to best survive shaded and adverse conditions. 5 lbs., \$3.75; 10 lbs., \$7.50; 25 lbs., \$16.50; 100 lbs., 52c per lb.



VEGETABLE SEEDS

Seeds in 1/2 lb. or over add Postage at Zone-Rate

We are offering vegetable seeds only in the best standard varieties for market and home garden. Our vegetable seeds are of superior quality, and don't miss out on spring sales of vegetable plants and flower plants in Plant Bands—Peat Pots—Market Paks—Bird's Tom Thumb Flats. See pages 36-37.

ASPARAGUS

Mary Washington. (Rust-proof.) Undoubtedly the finest rust-resistant variety grown. 1/4 lb., \$1.00; 1 lb., \$3.50.

Asparagus Roots available during March and April. 100, \$4.00.

BUSH BEANS

Beans by parcel post add postage
Green-podded Varieties. 1 lb. will plant 150 feet.



USE NITRAGIN

Garden Size Packet for Inoculating
PEAS, BEANS and SWEET PEAS
(Will treat 8 lbs. of seed) 25c.

Burpee's Stringless Green Pod. 50 days. Excellent for shipping, canning and deep freeze.

Topcrop. 52 days. Immune to Bean mosaic, and therefore outyields most others. Pods are 6 inches long.

Above Varieties: Pkt., 20c; 1/2 lb., 35c; 1 lb., 65c; 5 lbs., \$2.75; 10 lbs., \$5.50; 25 lbs., \$10.00; 100 lbs., 36c per lb.

BUSH WAX BEANS

Pencil Pod Wax. 52 days. The pods average 5 to 6 inches in length, a round-podded wax variety.

Top Notch Golden Wax. 52 days. A superior type to the old Improved Golden Wax. Very productive.

Above Varieties:

Large pkt., 20c; 1/2 lb., 35c; 1 lb., 65c; 5 lbs., \$2.75; 10 lbs., \$5.50; 25 lbs., \$12.75; 50 lbs., 40c per lb.

POLE BEANS—Green Podded

Kentucky Wonder, Old Homestead. 65 days. Unexcelled for home and market garden. **Large pkt.,** 20c; 1/2 lb., 35c; 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$6.00.

Blue Lake Stringless. Early maturing, green-podded, white-seeded. Pods are 6 inches long. Excellent for shipping and canning. **Pkt.,** 20c; 1/2 lb., 40c; 1 lb., 75c; 5 lbs., \$3.50; 10 lbs., \$7.00; 25 lbs., \$15.50.

BUSH LIMA BEANS

Burpee's Improved Bush Lima. 80 days. Grows 10 to 30 inches; handsome large pods. **Pkt.,** 20c; 1/2 lb., 35c; 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$6.00.

Fordhook Bush. 75 days. The outstanding variety for home and market, producing a very heavy crop of large fat pods. **Pkt.,** 20c; 1/2 lb., 35c; 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$6.00; 25 lbs., \$13.75.

Henderson's Bush Lima. 74 days. Produces enormous crops. Small seeded—sure to produce under any conditions. **Pkt.,** 20c; 1/2 lb., 30c; 1 lb., 55c; 5 lbs., \$2.50; 10 lbs., \$5.00; 25 lbs., \$10.00.

POLE LIMA BEANS

King of the Garden. 84 days. One of the best pole Limas, large leaved, good climber. Pods about 4 1/2 to 5 1/2 inches long. **Large pkt.,** 20c; 1/2 lb., 35c; 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$6.00.



Topcrop Beans

BEETS

1 oz. will sow 50 ft. 6-8 lbs. per acre.

Sow seeds as early in the spring as the ground can be worked. For a continuous supply make repeated sowings 3 to 4 weeks apart.

Early Wonder. 50 days. Earliest and best for early market or home garden. Tops short, flesh dark red. **Pkt.,** 20c; oz., 25c; 1/4 lb., 75c; 1 lb., \$1.75; 5 lbs., \$1.50 per lb.

Detroit Dark Red Selected. 55 days. The best all-purpose Beet. Superb quality, good keeper and should be used for main crop for home or market. **Pkt.,** 20c; oz., 25c; 1/4 lb., 75c; 1 lb., \$1.75; 5 lbs., \$1.50 per lb.

CHARD, SWISS

Chard Lucullus. 60 days. The most commonly grown. A fine home variety satisfactory also for market use. **Pkt.,** 20c; oz., 25c; 1/4 lb., 75c; 1 lb., \$1.50.

BEET, MANGEL

Used largely for winter feeding of your stock.

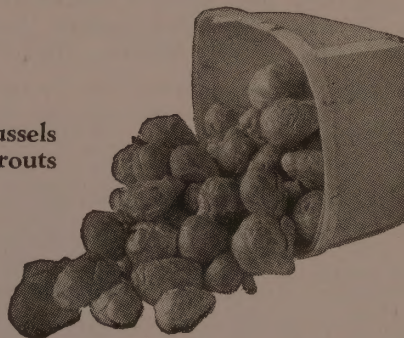
Mammoth Long Red. 1/4 lb., 40c; 1 lb., \$1.25; 5 lbs., \$1.15 per lb.

BROCCOLI

(Ounce will produce about 3000 plants)

De Cicco. 60 days. Earliest to mature. None better for shippers, home or market. **Pkt.,** 20c; 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.50; 1 lb., \$5.50.

Brussels Sprouts



BRUSSELS SPROUTS

(Ounce will produce about 3000 plants)

Long Island Improved. 90 days. Fine for home or market. Commonly grown as fall, winter or early spring crop. **Pkt.,** 20c; 1/2 oz., 35c; oz., 60c; 1/4 lb., \$2.00.

Seeds on this page postpaid.

CABBAGE

An ounce will produce about 3000 plants.

For earliest crop, start seed in hotbed; for medium early Cabbage, seed may be sown in a cold frame or open-ground seedbed in early spring.



Copenhagen Market

CABBAGE—Early Heading**Copenhagen Market.** (Select.) 66 days. A very choice strain. Medium-sized heads; compact, good yielder. $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.**Charleston Wakefield.** 70 days. Large, heart-shaped, average weight 4 to 5 lbs. For home and market garden. $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.**Early Dwarf Flat Dutch.** 65 days. Heads nearly round, firm, fine flavor and high quality. $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.**Early Jersey Wakefield.** Pointed heads. 62 days. Extremely early variety, very valuable for home and market garden. $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.**Golden Acre.** (Select.) 64 days. Round head, short stem. Uniform, firm, especially valuable for early market and shipping. $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.**CABBAGE—Second Early—Late****All Season.** 80 days. Of the flat Dutch type and a first class main crop. The heads are very large and solid. $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.**Marion Market.** (Yellows Resistant.) 85 days. This was originally bred up from Copenhagen Market. It takes about 20 days longer to mature. $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; 1 lb., \$5.50.**Premium Late Flat Dutch.** 90 days. Good keeper, firm heads of good quality. Dependable. $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.**SAVOY and RED CABBAGE****Dark Red.** 90 days. Best red variety. Good keeper, round hard head. $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.**Savoy Chieftain.** 90 days. Best of the Savoy or crinkled leaved sorts. A splendid keeper. $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.**CHINESE CABBAGE**

Chinese or Celery Cabbage

Michihli. 70 days. This is a sure heading, vigorous growing Lettuce variety with erect, cylindrical pointed heads 18 to 20 inches long. $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.**COLLARDS****Georgia or Southern.** A variety of Cabbage that does not form a head, but produces a mass of leaves. Very hardy. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.**CAULIFLOWER**

Packet will produce 200 plants; ounce 2000 plants.

Super Snowball. Finest quality. 65 days. Well adapted for use under a wide range of conditions. Heads large, firm and pure white, and well protected by inner leaves. Pkt., 25c; $\frac{1}{4}$ oz., 65c; $\frac{1}{2}$ oz., \$1.15; oz., \$2.00; $\frac{1}{4}$ lb., \$7.00.**Early Snowball.** 54 days.Unquestionably the earliest maturing strain of short leaf type of Cauliflower. It is well adapted for early crop and is one of the most popular. Pkt., 25c; $\frac{1}{4}$ oz., 65c; $\frac{1}{2}$ oz., \$1.15; oz., \$2.00; $\frac{1}{4}$ lb., \$7.00.

Cauliflower

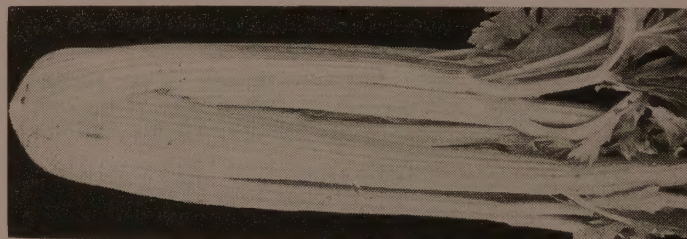
CARROTS

1 oz. will sow 100 feet of row.

Sow in March and April, in drills 1 inch deep and 14 inches apart; thin out to 2 inches. For main crop sow in May or beginning of June. A rich, mellow, deeply worked soil gives the finest Carrots.



Carrot

Chantenay. 70 days. A half-long, stump-rooted variety of dark orange color. A heavy cropper. Desirable for table use. Pkt., 20c; oz., 30c; $\frac{1}{4}$ lb., 90c; 1 lb., \$2.50; 5 lbs., \$2.25 per lb.**Danvers Half Long.** 75 days. Well known main-crop or late Carrot of great uniformity. The deep orange-red roots are 7 to 7 $\frac{1}{2}$ in. long and 2 to 2 $\frac{1}{2}$ in. in diameter, tapering gradually toward the blunt end. Pkt., 20c; oz., 30c; $\frac{1}{4}$ lb., 90c; 1 lb., \$2.50; 5 lbs., \$2.25 per lb.**CELERY**

1 oz. will produce 5000 plants.

Utah Pascal. 120 days. The standard late, green Celery of excellent quality. Pkt., 25c; $\frac{1}{2}$ oz., 60c; oz., \$1.00; $\frac{1}{4}$ lb., \$3.50.**Golden Self Blanching.** Select. 85 days. Early and very desirable for home and market garden. Pkt., 25c; $\frac{1}{2}$ oz., 60c; oz., \$1.00; $\frac{1}{4}$ lb., \$3.50.**CELERIAC (Turnip-rooted Celery)****Celeriac, Turnip-rooted.** 120 days. Pkt., 20c; $\frac{1}{2}$ oz., 50c; oz., 85c; $\frac{1}{4}$ lb., \$3.00.**CHIVES** - See Herbs, Page 3**CORN SALAD****Large Leaved.** Sometimes called Lamb's Lettuce. An extremely hardy type plant that forms rosettes of tender leaves which are used as a substitute for Lettuce and mixing with salads. Pkt., 15c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

Vegetable Seeds wanted by parcel post, add postage.

CANTALOUPE Muskmelon

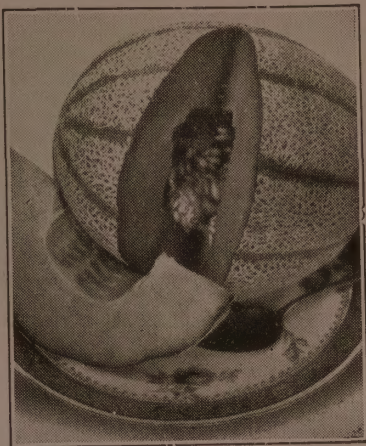
1 oz. plants 50 hills; 2 lbs. to 1 acre.

Hale's Best. 85 days.

The most popular and leading Cantaloupe with large shippers and growers. Early and uniform, fine for home gardens. Flesh, thick, deep salmon. Pkt., 20c; oz., 30c; ¼ lb., 90c; 1 lb., \$2.75; 5 lbs., \$2.50 per lb.

Pride of Wisconsin.

Early Melon with unusually thick, pink flesh of excellent quality. Pkt., 20c; oz., 30c; ¼ lb., 90c; 1 lb., \$2.75; 5 lbs., \$2.50 per lb.



Cantaloupe

SWEET CORN

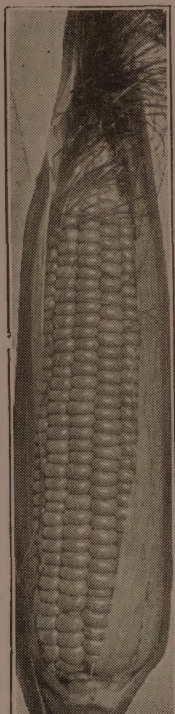
1 pkt. plants 40 hills; 1 lb. 250 hills; 15 lbs. to acre.

Golden Cross Hybrid. 85 days. Bred for wilt resistance, high yield and superlative quality. Grows 7 to 8 ft. high. Fine ears with 10 to 14 rows of light golden kernels. Pkt., 20c; ½ lb., 40c; lb., 75c; 5 lbs., \$3.50; 10 lbs., \$7.00; 25 lbs., \$15.00; 100 lbs., 56c per lb.

Gold Rush Hybrid. First early, golden yellow hybrid. Stalks 6 ft. tall. Pkt., 20c; ½ lb., 40c; lb., 75c; 5 lbs., \$3.50; 10 lbs., \$7.00.

Evergreen Hybrid. 86 days. An excellent hybrid of the Stowell's Evergreen type. Pkt., 20c; ½ lb., 45c; lb., 80c; 5 lbs., \$3.75; 10 lbs., \$7.50; 25 lbs., 62c per lb.

Country Gentleman Hybrid. About 95 days. The grain is small, and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet. Pkt., 20c; ½ lb., 50c; lb., 95c; 5 lbs., \$4.50; 10 lbs., \$9.00.



HYBRID POP CORN

Purdue Yellow Hulless. Pkt., 20c; ½ lb., 40c; 1 lb., 70c; 5 lbs., \$3.00.

EGGPLANT

Black Beauty. 80 days. It is oval in shape, uniformly the darkest in color. Perfectly spineless and smooth. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00; 1 lb., \$7.50.

Burpee Hybrid. Vigorous, continuous producer. Highly resistant to drought and disease. Fruits medium size. Pkt., 50c; ½ oz., \$1.25; ¼ oz., \$2.25; 1 oz., \$7.00; ¼ lb., \$24.00.

ENDIVE

1 oz. of seed for 50 ft. of row.

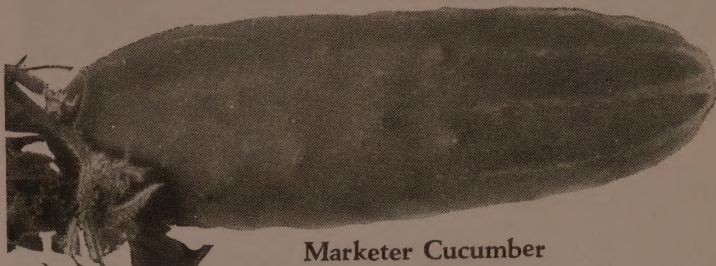
It may be grown at any season but is more generally planted for fall.

Broad-Leaved White or Escarolle. Plant medium large with deep, full, well blanched heart. Pkt., 15c; oz., 25c; ¼ lb., 90c.

Green Curled. The leaves of this variety are finely divided, giving a mossy appearance. Pkt., 15c; oz., 25c; ¼ lb., 90c; 1 lb., \$3.00.

CUCUMBERS

Do not plant Cucumbers until danger of frost has passed. ½ oz. to 25 hills; 2 lbs. to 1 acre.



Marketer Cucumber

A & C (Colorado). 68 days. A beautiful, long, slender, dark green Cucumber of excellent shape and intense dark color. Pkt., 20c; oz., 30c; ¼ lb., 85c; 1 lb., \$2.50.

Burpee Hybrid. Its remarkably high resistance to disease makes it an excellent variety where downy mildew and mosaic are a problem. Vines are vigorous. Pkt., 30c; ¼ oz., \$1.00; ½ oz., \$1.75; oz., \$3.00; ¼ lb., \$11.25.

Long Green Improved. 70 days. The fruits are very long, often 12 to 15 inches when mature, yellow when ripe. Pkt., 20c; oz., 30c; ¼ lb., 85c; 1 lb., \$2.50.

Marketer. Dark green, cylindrical fruits, 8 in. long, tapering at ends. The thick white flesh is crisp, firm and delicious. Vigorous grower and prolific cropper. Pkt., 20c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.00; 5 lbs., \$2.75 per lb.

Straight Eight. 64 days. This White Spine variety typifies its name, running quite straight, regularly 8 inches long and 2 inches in diameter. Color dark green. Pkt., 20c; oz., 30c; ¼ lb., 85c; 1 lb., \$2.50; 5 lbs., \$2.25 per lb.

Snow's Perfection Pickling. 60 days. Is grown almost exclusively for pickling and is ideal for that purpose. It produces fruits of pickling size in 47 to 50 days. Pkt., 20c; oz., 30c; ¼ lb., 85c; 1 lb., \$2.50.

HERB SEEDS

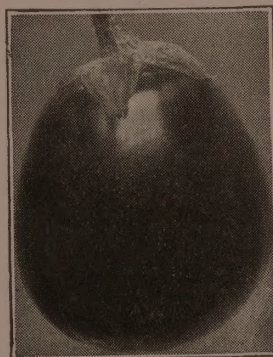
Every kitchen garden should have some of the popular herbs:

Chives. Mildly onion-flavored leaves used in soups and salads. Pkt., 20c; ½ oz., 60c; oz., \$1.00; 1 lb., \$12.00.

Dill. An annual plant about 3 feet high, strongly aromatic, used for flavoring pickles, sauces. 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.75.

Anise—Basil Sweet—Borage—Catnip—Coriander
Caraway—Cress—Sweet Fennel
Summer Savory—Lavender—Thyme—Rosemary
Sage—Sweet Marjoram

Prices above 15, each: Tr. Pkt., 20c; ¼ oz., 50c; ½ oz., 90c; 1 oz., \$1.60.



Eggplant

KALE

Siberian. 40 days. Very hardy and improved by moderate frost. Sow in May or June. Makes excellent greens, tender and fine flavor. Oz., 20c; ¼ lb., 75c; 1 lb., \$2.25.

Dwarf Green Curled Scotch. 55 days. Oz., 25c; ¼ lb., 90c; 1 lb., \$2.50.

Vegetable seeds, wanted by parcel post, add postage.

KOHLRABI

Earliest White Vienna. 55 days. Greenish white outside, with clear white flesh within, fine quality.

Pkt., 15c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.25.

LEEK

The long, thick, blanched neck is desirable for soups.

Large London Flag. Pkt., 20c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.



LETTUCE

1 oz. will produce 4000 plants.

Lettuce seed should be sown very early in the spring and at intervals of 15 days for a succession; sow the seed in shallow drills, being careful to firm the soil over the seed and thin to 4 inches in row.

LETTUCE—Leaf or Loosehead

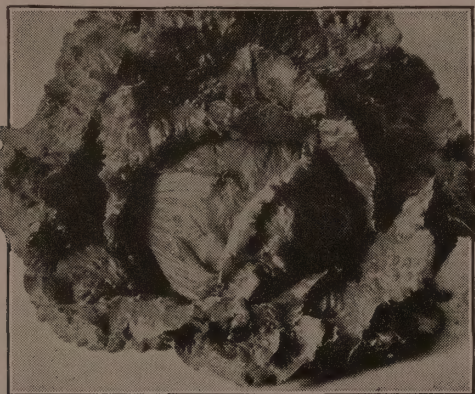
Black-Seeded Simpson. 45 days. Easily grown, especially recommended for spring and early summer use. The leaves are large, yellowish green, fringed and crumpled. Pkt., 20c; oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.25.

Grand Rapids. 45 days. Especially adapted for early family use. A loose-headed Lettuce of pleasing appearance and remarkable table merit. Pkt., 20c; oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.25.

Prize Head. 40 days. Forms a very large loose head, slightly tinged brown. Pkt., 20c; oz., 30c; ¼ lb., \$1.00.

Salad Bowl Lettuce. It is a loose-leaf variety. Fills a salad bowl with a perfect rosette of rich green and very decorative leaves.

Pkt., 20c; ½ oz., 35c; oz., 45c; ¼ lb., \$1.50.



Great Lakes

HEADING VARIETIES

Big Boston. 70 days. Especially valuable for summer and fall use out-of-doors. It is a butter-head type with glossy leaves tinged brown. Pkt., 20c; oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.25.

Bibb Lettuce. A loose waxy head variety with very deep green outer leaves, bleaching to a rich yellowish green inside. Heads medium size, unusually crisp and tender, and of a distinct flavor. Pkt., 20c; 1 oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.50.

Great Lakes. 75 days. Bred to make tight heads in hot weather. Pkt., 20c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50; 1 lb., \$5.50.

Oakleaf. Noted for its ability to withstand hot weather without turning bitter. Leaves are smooth and lobed to resemble the leaf of an Oak tree, deep green and tender. Pkt., 20c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50.

Romaine or Paris White Cos. 65 days. Compact heads, well blanched, excellent for salads. Pkt., 20c; oz., 35c; ¼ lb., \$1.25.

MUSKMELON. See Cantaloupe, page 2.



Mustard, Southern Giant Curled

MUSTARD

1 oz. will sow 40 ft.

Mustard greens are as healthful and nourishing as Spinach.

Chinese Broad-Leaved. The leaves are broad, smooth and often 12 inches long. Color deep green. Oz., 15c; ¼ lb., 35c; 1 lb., \$1.10.

Southern Giant Curled (Long Standing). 30 days. The leaves of this variety are closely curled and finely fringed. A little slower growing than the frilled varieties but longer standing. 1 oz., 15c; ¼ lb., 35c; 1 lb., \$1.10; 5 lbs., \$5.00.

OKRA or GUMBO

Okra pods are used in soups, stews, catsup and other relishes. They are at their best when 1 to 3 inches long.

Dwarf Green Prolific. 65 days. Low, stocky and productive, with long pods. Oz., 15c; ¼ lb., 50c; 1 lb., \$1.25.

ONION

1 oz. will sow 100 ft. of row.

One of the most nutritious and healthful of vegetables.

Southport White Globe. 110 days. Very large, handsome and productive. The best white variety. ½ oz., 25c; oz., 45c; ¼ lb., \$1.25; 1 lb., \$4.50.

Sweet Spanish (Utah Strain.) 110 days. A sweet Onion of enormous size, nearly globular in form, Golden yellow skin; flesh white and very mild. An exhibition sort that is more resistant to Onion thrip. ½ oz., 25c; oz., 45c; ¼ lb., \$1.50; 1 lb., \$5.00.

White Portugal or Silver Skin. All-purpose variety. Fine for sets, pickling, and mature Onions. ½ oz., 25c; oz., 45c; ¼ lb., \$1.25; 1 lb., \$4.50.

White Lisbon. A bunching variety, grown for its very long, pure white stems; long standing, tender and of delicate flavor. ½ oz., 25c; oz., 45c; ¼ lb., \$1.25; 1 lb., \$4.50.



Onion, White Lisbon

Vegetable seeds, wanted by parcel post, add postage.

PARSLEY

1 oz. sows 150 ft. row.

Double Curled. The best green curled. Pkt., 15c; oz., 30c; ¼ lb., 90c; 1 lb., \$2.75.

Hamburg Edible Rooted. Forms a short thick Parsnip-like root used in flavoring soups, etc. Leaves are also useful. Pkt., 15c; oz., 30c; ¼ lb., 90c.

PARSNIP

1 oz. for 100-ft. row, 5 lbs. per acre.

Hollow Crown. 95 days. This is the most popular and best variety in cultivation. Pkt., 15c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25.

GARDEN PEAS

Garden Peas by parcel post add postage.

1 lb. is enough for 100 ft. of row.



Alaska. The seed being smooth, it can be planted early. Pods of a rich dark green color. Vine about 30 inches high. Matures in about 56 days. Pkt., 20c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00.

Laxton's Progress. 62 days. Pods 4½ inches long, containing 7 to 9 dark green Peas. 18 inches tall. Best for deep freezing. Pkt., 20c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00; 50 lbs., 34c per lb.

Little Marvel. 63 days. A leading variety of wrinkle-seeded. Grows 18 inches high. Pods average 3 inches, well filled with 7 or 8 large, deep green Peas. Pkt., 20c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00.

PEPPER

1 oz. will produce 3000 plants.

Seed should be sown in a hotbed or in a shallow box in a warm place in the house, allowing 8 to 10 weeks to produce plants large enough to set outdoors.

Bell or Bull Nose. 65 days. An early sweet Pepper. Large, bright red, thick flesh. Pkt., 20c; ½ oz., 35c; 1 oz., 65c; ¼ lb., \$2.25; 1 lb., \$7.50.

California Wonder. 74 days. The standard of perfection among sweet Peppers, and the most popular sort. Excellent for all purposes. Pkt., 20c; ½ oz., 35c; 1 oz., 65c; ¼ lb., \$2.25; 1 lb., \$7.50.



California Wonder

long and 3¾ inches across. ½ oz., 40c; oz., 75c; ¼ lb., \$2.50; 1 lb., \$8.50.

Hungarian Wax. 60 days. Important canning variety, early, hardy, prolific. Bears pendent and upright yellow hot fruits. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50; 1 lb., \$8.50.

Keystone Wonder Giant. A purelined pepper of the Florida Giant type, thick flesh. 4½ inches

RADISHES

1 oz. will sow 100 ft. of row.

Cherry Belle. 23 days. Round, red and very crisp. Oz., 15c; ¼ lb., 45c; 1 lb., \$1.25.

Crimson Giant. 30 days. Roots scarlet, spherical. Largest early Radish which remains crisp. Oz., 15c; ¼ lb., 45c; 1 lb., \$1.25.

Iceberg. 35 days. A magnificent white variety. Grows 3½ to 4 inches long. Oz., 15c; ¼ lb., 45c; 1 lb., \$1.25; 5 lbs., \$5.25.

Scarlet Turnip White Tipped or Sparkler. Something extra fine. 23 days. The lower half is white, the upper half bright scarlet. Oz., 15c; ¼ lb., 45c; 1 lb., \$1.25; 5 lbs., \$5.25.

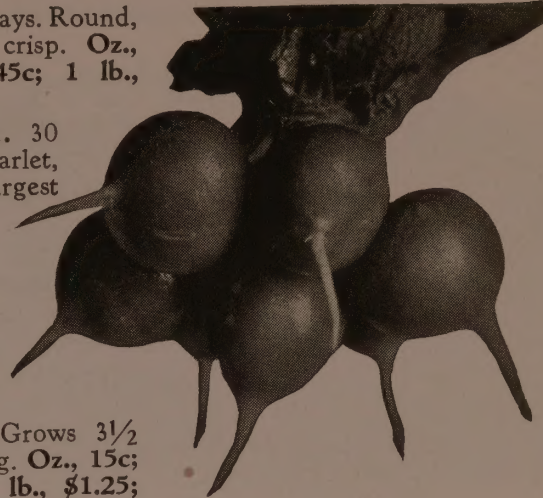
Scarlet Globe. (Selected Stock.) 23 days. The interior of the root is pure white, mild, crisp and fine grained. Recommended for market garden. Oz., 15c; ¼ lb., 45c; 1 lb., \$1.25; 5 lbs., \$5.25.

WINTER RADISHES

California White Mammoth. The best white Radish for late fall planting. Oz., 20c; ¼ lb., 60c; 1 lb., \$1.75.

Round Black Spanish. Skin black, flesh white. A fine keeper. Oz., 20c; ¼ lb., 60c; 1 lb., \$1.75.

Rose-Colored China. Extremely solid and a most excellent keeping variety. Oz., 20c; ¼ lb., 60c; 1 lb., \$1.75.



Pimiento. 73 days. The shape is distinctly conical, medium size. Color, when young, is a glossy green turning ruby-red when ripe. Pkt., 20c; ½ oz., 35c; 1 oz., 65c; ¼ lb., \$2.25; 1 lb., \$8.00.

Sweet Yellow or Banana. 60 days. Probably the largest, earliest and sweetest of all yellow Peppers. It is Banana-shaped, averaging about 6 inches in length and 2 inches in diameter. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50; 1 lb., \$8.50.

Yolo Wonder. New improved California Wonder type. Disease resistant and a dependable cropper. Pkt., 20c; ½ oz., 40c; 1 oz., 75c; ¼ lb., \$2.25; 1 lb., \$8.00.

PEPPER—HOT—SMALL FRUIT

Long Red Cayenne. 70 days. Very hot, deep red fruits. 4½ to 5 inches long. Excellent for pickling, drying or canning. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.

Red Chili. Bright red when ripe and are very hot or pungent. Used extensively for Pepper sauces, pickling and drying. 2½ inches long, ⅜ inch in diameter. Pkt., 20c; ½ oz., 40c; 1 oz., 75c; ¼ lb., \$2.50.

Items wanted on this page via parcel post, please add postage.

PUMPKINS

Ounce will make about 20 hills; 2 lbs. an acre.

Kentucky Field. 100 days. Standard large Pumpkin for canning and for stock feed. Oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

Small Sugar. 100 days. Round, slightly ribbed fruits of medium size, about 7 in. in diameter. Best Pumpkin for general use; good keepers. Oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

RHUBARB or PIE PLANT

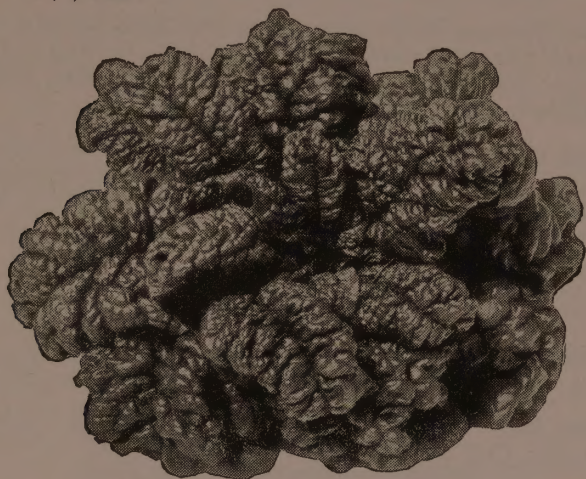
Myatt's Victoria. A splendid early sort. Stalks are large, very thick, of rich red color, and almost stringless. Oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

Rhubarb Roots Available in March.
Strong Roots, each 20c; doz., \$2.25.

SALSIFY

Often called "Oyster Plant" and is easily grown.

Mammoth Sandwich Island. This variety is uniform in growth. The roots are of superior quality and most delicate flavor. $\frac{1}{2}$ oz., 25c; 1 oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.25.



SPINACH

Sow early in spring. Spinach is high on the list of health-giving and body-building vegetables. Grow more and eat more. It is essentially a spring and autumn crop.

Bloodsdales Long Standing. 45 days. An outstanding strain of the Savoy Leaved Spinach. Much in demand for home and market gardens. Oz., 15c; $\frac{1}{4}$ lb., 35c; 1 lb., 90c; 10 lbs., \$7.50; 25 lbs., 60c per lb.

RUTABAGAS

American Purple Top. A hardy productive variety; roots are large, globular in form, with a very small tap root; color, bright yellow with a purple top. Oz., 15c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.25.



Purple Top White Globe

TURNIPS

Ounce will sow 300 ft. of row.

Purple Top White Globe. Roots globular. Smooth; bright purplish red above, white below. Flesh white, firm. Oz., 15c; $\frac{1}{4}$ lb., 35c; 1 lb., 90c; 10 lbs., \$8.00.

Seven Top, for Turnip Greens. A foliage Turnip for table and forage use. Crown sends up numerous leafy shoots which are excellent for greens. Oz., 15c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

SQUASH

1 oz. will plant 20 hills; 2 lbs. an acre.

Do not plant until all danger of frost is over.



Butternut Squash

Acorn or Table Queen. 60 days. A unique winter Squash. Just the right size to cut in half (when it will bake in 20 minutes) and serve individually. Pkt., 20c; oz., 30c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

Butternut. A winter variety of fine edible quality and good production. Excellent for pies, boiling or baking. Turban-shaped fruits 6 to 8 inches in diameter. Pkt., 20c; oz., 30c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

Early Prolific Straightneck Yellow. 50 days. Considered the most valuable and promising of all summer Squash. Pkt., 20c; oz., 30c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

Gray Zucchini. 60 days. When matured it is 18 inches long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing. Pkt., 20c; oz., 30c; $\frac{1}{4}$ lb., 90c; 1 lb., \$3.00.

Mammoth White Bush. 54 days. Creamy white and scalloped around the edges; flesh is milk-white and of delicious flavor. Widely used for stewing or broiling. Pkt., 20c; oz., 30c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

Warted Hubbard. 110 days. Warted Hubbard Squash has been bred to the highest quality; fruits are large; skin rough, dark green; flesh bright orange, fine grained. Pkt., 20c; oz., 30c; $\frac{1}{4}$ lb., 90c; 1 lb., \$3.00.

WATERMELON

1 oz. for 20 hills; 3 to 4 pounds per acre.

New Hampshire Midget. Extra early 6 in. diameter fruits.

Charleston Grey. 92 days. Large long grey-green watermelon and excellent shipper.

Black Diamond. 95 days. Fruits very large, dark green, nearly round, flesh bright red, crisp and sweet. This is the most popular variety.

Kleckley's Sweet. 95 days. This is considered the sweetest of the large Melons. Particularly adapted for home garden.

Stone Mountain (or Dixie Belle). 110 days. Rich dark green in color with scarlet flesh that is exceptionally sweet.

Tom Watson. 110 days. The rind is dark blue-green; the flesh is deep red and very sweet.

Above 6 varieties: Pkt., 20c; oz., 30c; $\frac{1}{4}$ lb., 85c; 1 lb., \$2.75.

TOMATOES

1 oz. will produce about 2000 plants.

Tomatoes should be in every garden. It is quite simple to grow your own plants. Sow the seed in hotbed, or in a shallow box in the house, allowing 6 to 8 weeks to produce plants large enough for setting outdoors when weather becomes warm.

Hybrid Tomatoes

Burpee's Big Early F₁ Hybrid. 63 days. Burpee's newest true first generation F₁ Hybrid. A second-early hybrid with fruits of main crop size. This is the largest fruited of our early hybrids. Pkt., 50c; 1/16 oz., \$2.50; 1/8 oz., \$4.50; 1/4 oz., \$8.50; 1/2 oz., \$16.00; 1 oz., \$30.00; 1/4 lb., \$98.00.

Burpee's Big Boy F₁ Hybrid. 78 days. Very large, round; bright scarlet skin, solid flesh of best quality. Pkt., 50c; 1/16 oz., \$2.50; 1/8 oz., \$4.50; 1/4 oz., \$8.50; 1/2 oz., \$16.00; 1 oz., \$30.00; 1/4 lb., \$98.00.

Wonder Boy. F₁ Hybrid. 78 days. The largest fruited of F₁ Hybrid Tomatoes. Fruits are large, and excellent flavor, globe shaped, scarlet-red. Pkt., 50c; 1/16 oz., \$2.50; 1/8 oz., \$4.50; 1/4 oz., \$8.50; 1/2 oz., \$16.00; 1 oz., \$30.00; 1/4 lb., \$98.00.

Michigan-Ohio Hybrid. For greenhouse production. Michigan-Ohio Hybrid forcing has been found both thrifty and productive. The color is red, and the fruits are remarkably uniform in size and typically globular in shape. Pkt., 50c; 1/16 oz., \$2.50; 1/8 oz., \$4.50; 1/4 oz., \$8.50; 1/2 oz., \$16.00; 1 oz., \$30.00; 1/4 lb., \$98.00.

Early Hybrid E-21. 75 days. A very fine early Hybrid Tomato that is adapted to either market or home growing. Fruits are large, a bright red. Pkt., 35c; 1/8 oz., 50c; 1/4 oz., \$1.00; 1/2 oz., \$1.75; 1 oz., \$3.25; 1/4 lb., \$12.00.



Jubilee. 85 days. A new and truly different sort. Orange-yellow in color, it is attractive for salads and juice. Pkt., 20c; 1/2 oz., 35c; oz., 65c; 1/4 lb., \$2.25.

Livingston's Globe. 80 days. A large, purplish pink, globe-shaped or very nearly round Tomato of excellent quality. Pkt., 20c; 1/2 oz., 35c; oz., 65c; 1/4 lb., \$2.25; 1 lb., \$8.00.

Marglobe, Certified. 75 days. Of fine appearance, and great productiveness. In color it is a most beautiful scarlet, ripening well up to the stem. Pkt., 20c; 1/2 oz., 35c; oz., 60c; 1/4 lb., \$2.00; 1 lb., \$7.00.

Michigan Forcing. Developed especially for growing under glass. A heavy producer of medium sized fruit. Pkt., 25c; 1/2 oz., 85c; oz., \$1.50; 1/4 lb., \$5.50.

Oxheart. 90 days. Different in shape from all others, resembling a beef heart. The flavor of the pink fruit is mild. Pkt., 20c; 1/2 oz., 50c; oz., 90c; 1/4 lb., \$3.25; 1 lb., \$11.00.

Ponderosa. 90 days. Extremely large; purplish pink, few seeds, mild flavor. Pkt., 20c; 1/2 oz., 40c; oz., 75c; 1/4 lb., \$2.50.

Pritchard, Certified. (Scarlet Topper Certified.) 85 days. Fine all-round variety, heavy yielder; second early wilt resistant; fruit solid. Pkt., 20c; 1/2 oz., 35c; oz., 65c; 1/4 lb., \$2.25; 1 lb., \$7.50.

Rutgers, Certified. 78 days. Desirable for market gardeners; bright red, smooth. This variety is highly popular with canners, home and market gardeners alike. A very strong grower Pkt., 20c; 1/2 oz., 35c; oz., 60c; 1/4 lb., \$1.75; 1 lb., \$6.50.

Stokesdale, Certified. 75 days. Early, suitable for shipping. Fruits uniform, deep scarlet; globe shape. Pkt., 20c; 1/2 oz., 35c; oz., 65c; 1/4 lb., \$2.25; 1 lb., \$7.50.

Stone, Certified. 85 days. Valuable for market and canning; heavy producer; deep scarlet. Pkt., 20c; 1/2 oz., 35c; oz., 60c; 1/4 lb., \$2.00; 1 lb., \$7.00.

Valiant, Certified. 75 days. A large-fruited market variety of heavy production. Vines are sparse and open and will produce a large crop. Fruits scarlet. 1/2 oz., 35c; oz., 65c; 1/4 lb., \$2.25; 1 lb., \$8.00.

PICKLING or PRESERVING TOMATOES

Red Top (Improved Italian Canner.) Cylindrical, 3 x 1 1/4 inches. Solid with no air space. A remarkable keeping Tomato that is extremely popular. Pkt., 20c; 1/2 oz., 45c; oz., 85c; 1/4 lb., \$3.25.

Red Cherry Yellow Plum Red Pear Yellow Husk or Ground Cherry	Small fruited, for pickles, salads or preserves	Pkt., 20c; 1/2 oz., 40c; 1 oz., 75c.
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Bonny Best. 73 days. One of the most prolific of the early Tomatoes. Medium size, solid, bright red Pkt., 20c; 1/2 oz., 35c; oz., 65c; 1/4 lb., \$2.25; 1 lb., \$7.50.

Break O' Day. 74 days. Wilt resistant. Vines vigorous and very productive. An early scarlet fruited variety. Pkt., 20c; 1/2 oz., 35c; oz., 65c; 1/4 lb., \$2.25; 1 lb., \$7.50.

Crimson Cushion or Beefsteak. 98 days. Late, red, very large. Pkt., 20c; 1/2 oz., 40c; oz., 75c; 1/4 lb., \$2.50.

Earliana, Certified. 65 days. Very early—particularly valuable for home and early market garden. Medium size, deep scarlet. Pkt., 20c; 1/2 oz., 35c; oz., 65c; 1/4 lb., \$2.25; 1 lb., \$7.50.

Firesteel. 62 days. A small vine, large fruited Tomato that is early, smooth, red through, of semi-acid flavor. Pkt., 20c; 1/2 oz., 35c; oz., 65c; 1/4 lb., \$2.25.

Greater Baltimore, Certified. 82 days. The leading canning and juice Tomato. Noted for its deep red color throughout, ripens evenly over entire surface. Pkt., 20c; 1/2 oz., 35c; oz., 65c; 1/4 lb., \$2.25; 1 lb., \$7.50.

Grothen's Globe, Certified. 80 days. A much improved type over Break O' Day. It is wilt resistant. Pkt., 20c; 1/2 oz., 35c; oz., 65c; 1/4 lb., \$2.25; 1 lb., \$8.00.

Gulf State Market (Pink). 75 days. An excellent shipping variety, also fine for market use. Has particularly heavy skin that is not inclined toward cracking. 1/2 oz., 35c; oz., 65c; 1/4 lb., \$2.25; 1 lb., \$8.00.

Henderson's Winsall. 85 days. Is very meaty, the entire fruit being edible, tender and delicious. Color bright pinkish red. Pkt., 25c; 1/4 oz., 50c; 1/2 oz., 75c; oz., 1.25; 1/4 lb., \$4.50.

Selected Flower Seeds

AGERATUM, MEXICANUM

Blue Ball Improved. 12 to 14 in. Large flowered, medium blue. Tr. pkt., 35c; 1/8 oz., 65c; 1/4 oz., \$1.25; 1 oz., \$4.00.

Blue Mink. Tetraploid. Large, powder-blue flowers are liberally borne on 8-inch plants. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.00; 1 oz., \$6.50.

Midget Blue. Medium sized, clear blue flowers are freely carried on dense, small-leaved plants. 12 in. Tr. pkt., 40c; 1/8 oz., 90c; 1/4 oz., \$1.50; 1 oz., \$5.75.



AGERATUM



ALYSSUM

ANTIRRHINUM—SEE SNAPDRAGON
—Page 22-23-24

ASTERS - Wilt-Resisting

10,000 seeds per oz.

Aster Early Giant Wilt Resistant — 18 Inches
Vita-Seal Packed

This is a very early type of Giants of California that blooms four to five weeks ahead of the regular strain.

Light Blue. Medium blue.

Peach Blossom. Opens white, flushes lavender pink.

Rose Marie. Attractive shade of rose.

White. Pure white.

Early Giant Finest Mixed.

Prices on above, each: Tr. pkt., 40c; 1/4 oz., \$1.00; 1 oz., \$3.50.

DWARF QUEEN (For Pots)

Early flowering, 10-inch tall plants. Dwarf, base-branching plants with large flowers.

Dwarf Queen. Mixed. Tr. pkt., 35c; 1/4 oz., \$1.00; oz., \$3.50.

Aster, Queen of the Market

A very popular early flowering type. Branching freely near the ground, about 20 inches tall.

Azure-Blue.

Light Blue. Medium blue.

Dark Blue.

Rose. Soft rose.

Flesh-Pink.

White.

Queen of the Market Mixture.

Prices each: Tr. pkt., 35c; 1/4 oz., 65c; 1 oz., \$2.00.

Aster, Early Royal

Vita-Seal Packed

Blooms mid-July, directly following the Queen of the Markets. 2 feet.

Azure-Blue or Lavender.

Shell-Pink.

Deep Rose. Taller.

White.

Purple. Deep purple.

Royal Mixture.

Prices each: Tr. pkt., 35c; 1/4 oz., 65c; 1 oz., \$2.00.

Aster, Bouquet Type

Vita-Seal Packed

Powder Puffs. The mixture of all colors. The 2-ft. plants are literally covered with full double "puff ball" cut flowers.

Prices: Tr. pkt., 40c; 1/4 oz., \$1.25; 1 oz., \$4.00.

ALYSSUM

Carpet of Snow. Produces a very dense, flat mass of white flowers, 4 in. high by 8 to 10 in. across. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.00; 4 ozs., \$3.00.

Little Gem. 5 in. Dense, rounded heads of white flowers. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.00; 4 ozs., \$3.00.

Rosie O' Day. A lavender-rose, similar in color to Pink Heather but low and spreading in habit. About 4 inches high and 10 inches across. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25; oz., \$7.00.

Royal Carpet. Violet-purple flowers are freely produced on plants about four inches high and ten inches across. Makes a nice border plant. Tr. pkt., 35c; 1/4 oz., 90c; 1 oz., \$2.50; 4 oz., \$8.50.

Violet Queen. 5 in. Violet flowers borne on dwarf plants. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50; 4 ozs., \$4.50.

(Perennial)

Saxatile Compactum (Basket of Gold). An indispensable plant for the rockery or border, growing 1 foot high. Tr. pkt., 20c; 1/4 oz., 35c; oz., \$1.00.



Aster, White Ball



Aster, Early Royal

ASTER—BALL VARIETIES

Vita-Seal Packed

A new race of large, all-double florist's cut-flower Asters yielding long stems under cloth or glass.

Azure Ball. Clear light blue. **Purple Ball.**

Phlox, Pink Ball.

Rose Ball. Silvery rose

Pink Ball. Soft shell-pink. **White Ball.**

Ball-Mixed.

prices each: Tr. pkt., \$1.00; 1/4 oz., \$1.75; oz., \$6.75.

Giant Crego Improved (Incurved)

Vita-Seal Packed

Azure-Blue.

Pink. Shell-pink.

Blue Flame. Bright navy-blue.

Purple or Dark Blue.

Deep Rose. Bright rose.

White.

Crego Mixed.

Prices above, each: Tr. pkt., 35c; 1/4 oz., 65c; 1 oz., \$2.00.

Aster, American Branching

Vita-Seal Packed

Plants 2 1/2 to 3 feet tall, branching, robust, flowers

Azure-Blue or Dark Lavender.

Purple.

Peerless Pink.

Rose.

White.

American Branching Mixed.

Prices above, each: Tr. pkt., 35c; 1/4 oz., 65c; 1 oz., \$2.00.

Aster, Heart of France

Vita-Seal Packed

Brilliant Red. Blooms about August 15th. Generally considered the best red Aster. Tr. pkt., 40c; 1/4 oz., 90c; 1 oz., \$3.00.

AMARANTHUS

Molten Fire. 5 ft. Attractively variegated deep red foliage. Plants do best when not transplanted and prefer dry, sunny locations. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

Tricolor Splendens. 3 ft. Beautiful foliage. Green, red and yellow. Handle like Coleus. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.75.

ANCHUSA

Blue Bird. Attractive deep forget-me-not-blue flowers. 18 in. Tr. pkt., 20c; ¼ oz., 45c; 1 oz., \$1.50.

ANTHEMIS - Marguerite (Perennial)

Kelwayi. A most satisfactory hardy perennial bearing Daisy-like, golden yellow blossoms; excellent for cutting. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

AQUILEGIA - Columbine (Perennial)

The plants are of strong, thrifty growth, with flowers of largest size.



Aquilegia, Long-Spurred Hybrid

McKana's Giant. Large, extra long-spurred flowers 3 to 4 inches across in a gay mixture of colors. Tr. pkt., 50c; ½ oz., \$1.10; ¼ oz., \$2.00; oz., \$7.50.

Mrs. Scott Elliott's Hybrids. An excellent and popular long-spurred mixture. Tr. pkt., 35c; ½ oz., 75c; ¼ oz., \$1.40; oz., \$4.00.

ARABIS - Rock Cress (Perennial)

Snow Cap. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears. Tr. pkt., 35c; ¼ oz., 60c; oz., \$2.00.

ARMERIA - Sea Pink; Thrift (Perennial)

Formosa Hybrida. Heads of rosy pink flowers. Useful for edging or rockery. Tr. pkt., 45c; ½ oz., \$1.00; ¼ oz., \$1.75.

ASPARAGUS

	250	1000
	seeds	seeds
Plumosus Nanus	\$0.75	\$2.50
Sprengeri	.75	2.50



Balsam

BALSAM

Makes fine flowering plants in small pots for spring sales from January sowing.

Bush-Flowering Mixed. Tr. pkt., 35c; ¼ oz., 65c; oz., \$2.00; 4 oz., \$7.00.

Camellia-Flowered Mixture. Tr. pkt., 20c; ¼ oz., 40c; oz., \$1.00.

BELL OF IRELAND (Molucella Laevis)

Graceful, 2-ft., green, bell shaped flowers on strong stems. Excellent for floral arrangements. Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.50; ¼ lb., \$4.50; 1 lb., \$12.00.

BASIL, "DARK OPAL"

"Dark Opal" is excellent for borders and mass plantings and has the additional value of being an herb. Average height of 15 inches and a spread of 12 inches. Tr. pkt., 75c; ½ oz., \$1.50; ¼ oz., \$2.75; oz., \$8.50.

BEGONIA

Among the best bedding plants for semi-shady positions and equally valuable for house culture and pots.

F. 1 HYBRID DWARF BEGONIAS

The new F.1 Hybrid Begonias are available in Originators Trade packets containing approximately 1000 seeds. A bronzy-green foliage.

Pink Comet. Salmon-pink, medium-sized blooms.

Red Comet. Large-sized fiery scarlet flower.

Rose Comet. Deep rose flowers.

Prices above, each: Tr. pkt., \$1.50

BEGONIAS FIBROUS-ROOTED

	Tr. pkt.
Carmen. Bright rose flowers, bronze foliage	\$1.25
Indian Maid. Scarlet-bronze foliage	1.25
Luminosa. Deep scarlet with reddish foliage	1.25
Pink Pearl. Dwarf rich pink, one of the best for pot culture. Originator's seed	1.50
Red Pearl. Dwarf, brilliant dark scarlet. Originator's seed	1.50
Scandinavia Pink. Large-flowered pink	1.25
Scandinavia Red. Like above except in color	1.25
Scandinavia White. A free-flowering white	1.25
Snowbank. The best dwarf white	1.25

BELLIS PERENNIS—Double English Daisy

This popular Double English Daisy is much used for spring and early summer bedding.

Monstrosa Gigantea. Red, Rose, White, Mixed. Tr. pkt., 40c; ¼ oz., \$1.00; oz., \$4.50.

BROWALLIA

Speciosa Major Blue. A very free flowering plant for indoor blooming. Flowers the size of large single Violets and a rich deep blue. Sow in early fall and give Carnation temperature. Tr. pkt., \$1.25; 1/16 oz., \$3.00.

CALCEOLARIAS German Strain



Excellent and easily grown pot plants for a reasonably priced showy item for Easter and Mother's Day. Best sown in pans in light soil during July and August. **Multiflora (Triumph Strain).** The average size of the blooms is only 1½ inches. Tr. pkt., \$1.50; 1/64 oz., \$2.50.

Multiflora Nana Mixture. Large heads of medium sized flowers in brilliant reds, yellows and intermediate shades. The dwarf plants are wiry in growth with small durable leaves. Tr. pkt., \$1.50; 1/64 oz., \$3.50.

CALENDULA

Calendula are easily grown in a cool house. A mid-winter temperature of 45 degrees at night is best.

Ball's Gold Improved. Deep golden yellow.

Ball's Lemon Queen. Clear yellow, dark center.

Ball's Masterpiece. Long stemmed orange, dark center.

Ball's Improved Long Orange. Clear orange.

Sensation Improved. Long stems, brilliant orange.

Prices of the above: Tr. pkt., 25c; ¼ oz., 45c; oz., \$1.50; ¼ lb., \$4.50.

Orange King. Rich deep orange-red, dark center, medium; fine for pots and bedding. Tr. pkt., 25c; ½ oz., 75c; oz., \$1.25; ¼ lb., \$4.00.



Calendula



CANDYTUFT
White Pinnacle

CAMPANULA MEDIUM - Canterbury Bells

Medium Calycanthema (Cup-and Saucer Type). 3 ft. Biennial. (Medium single). Are easily forced for spring greenhouse flowering either as pot plants or for cutting.

Light Blue Dark Blue White Rose Mixture

Prices above 5, each: Tr. pkt., 30c; ¼ oz., 75c; oz., \$2.50.

CANDYTUFT, PERENNIAL - Iberis

Gibraltarica. 12 in. Large flowered lilac. Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.50.

Sempervirens. 12 in. White flowers in late May. Seedlings flower second season. Tr. pkt., 50c; ¼ oz., \$1.35; oz., \$4.50.

CANDYTUFT

A popular spring greenhouse cut flower. Sow from mid-October to mid-January for flowers from late February through May. Space 6x6 inches or less; temperature 45-50°.

Giant Hyacinth Flowered White. Extra Select. This is a very superior strain, it grows about 1½ feet high, with enormous trusses of blooms. Tr. pkt., 30c; 1 oz., \$1.00; ¼ lb., \$3.00; lb., \$10.00.

White Pinnacle. Giant Hyacinth Flowered. Of particular value to florists, for these handsome spikes of pure white florets grow 2 feet tall, and are superb for cutting. Tr. pkt., 35c; ½ oz., 75c; oz., \$1.25; ¼ lb., \$4.00; lb., \$14.00.

Iceberg. A Hyacinth-Flowered Florist Candytuft. The individual florets are large. Tr. pkt., 30c; oz., \$1.00; ¼ lb., \$3.00; lb., \$10.00.

CANDYTUFT, UMBELLATA

A popular spring cut flower. 3 ft. Sow in January.

Fine Mixed. All varieties Tr. pkt. Oz. ¼ lb.
\$.25 \$.75 \$2.50

**CARNATION,
CHABAUD'S
GIANT**

These Carnations come into bloom five months from time seed is planted and continue to bloom throughout the summer.

Mixed. Tr. pkt., 35c; ½ oz., 60c; ¼ oz., \$1.10; oz., \$3.50.



CARNATION
Chabaud's Finest Mixed

CARNATION, GRENADIN

Perennial

A hardy type which is excellent for cutting. 18 in.

	Tr. pkt.	½ oz.	¼ oz.	Oz.
Cardinal-Red	\$0.35	\$0.75	\$1.45	\$5.50
Snow-White	.35	.75	1.45	5.50
Triumph Deep Pink	.35	.75	1.45	5.50
Grenadin Mixed	.35	.75	1.45	5.50



Dwarf Feathered Celosia

**CELOSIA, DWARF
Lilliput or Dwarf Feathered**

Dwarf, compact plants, each tipped with brilliant silky plumes. Makes an imposing display in beds, borders, edgings, pots and boxes. A great bloomer.

Dwarf Fiery Feather. 12 in. Very attractive pyramid formation with fiery red spires.

Dwarf Golden Feather. 12 in. Same as above but golden yellow.

Dwarf Feather Mixture. A formula mixture of the above two varieties: 2/3 Fiery Feather, 1/3 Golden Feather.

Prices above 3, each: Tr. pkt., 30c; ½ oz., 70c; ¼ oz., \$1.25; oz., \$4.00.

CELOSIA, CRISTATA (Cockscomb)

The popular Cockscomb for beds, borders and pots. **Empress.** Bright red; dark foliage.

Glasgow Prize (Pres. Thiers). Dark crimson; green foliage.

Finest Mixed. All colors with dark and light foliage.

The above 3: Tr. pkt., 30c; ½ oz., 50c; ¼ oz., 75c; oz., \$2.50.

CELOSIA (Cockscomb) TALL

Toreador. Half dwarf. Uniform strain with red combs and green leaves; plants 18 to 20 inches high. Tr. pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$1.75; oz., \$5.00.

CELOSIA (Plume Type) TALL

The increasing popularity of this showy annual is explained by its ease of growth, making showy mass effects in poor soil and hot climates.

Forest Fire. 2 1/2 ft. Brilliant plumes of fiery orange-scarlet contrast strikingly with the bronzy red foliage. Tr. pkt., 35c; 1/4 oz., \$1.00; oz., \$3.50.

Golden Fleece. The clear golden yellow. Tr. pkt., 35c; 1/8 oz., 65c; 1/4 oz., \$1.00; oz., \$3.50.

Scarlet Plume. 4 ft. Brilliant fiery red. For fall borders and for cutting. Tr. pkt., 30c; 1/4 oz., 75c; oz., \$2.50.

Thompsoni Magnifica. 28 in. Contains strikingly brilliant reds and yellows with some copper and gold shades. This makes an excellent cut flower. Tr. pkt., 30c; 1/4 oz., 60c; oz., \$2.00.

CENTAUREA CYANUS, DOUBLE

(Cornflower or Bachelor's Button). 3 ft.

Sow outdoors in September, same as Larkspur.

	Tr. pkt.	Oz.	Lb.
Blue Boy. Finest blue	\$0.20	\$0.60	\$6.50
Pinkie. Fine deep pink	.20	.60	6.50
Snow Man. White	.20	.60	6.50
Double Finest Mixed	.20	.60	6.50



CENTAUREA (Dusty Miller)



CLEOME

CENTAUREA, WHITE-LEAVED

(Dusty Miller). For borders, vases, baskets.

	Tr. pkt.	1/4 oz.
Candidissima. 6 in. Silver-gray foliage ..	\$0.50	\$1.00
Gymnocarpa. 24 in. Fine, silvery foliage. .	.35	.60
Maritima Diamond. 10 in. An improved strain of Dusty Miller. Compact, even growth and very white foliage. Tr. pkt., 20c; 1/4 oz., 50c; 1 oz., \$1.50.		

CINERARIA HYBRIDA

Splendid plants for winter and spring house decoration. Rich in shades of blue, carmine, pink, white, etc.; many combinations.

Cremer's Improved Prize Strain. This excellent strain contains a full range of colors. Very large heads. Plants semi-dwarf habit with small foliage. Tr. pkt., 1.50; 1/64 oz., \$2.50.

Siter Rainbow Strain. Remarkable for its wide range of color and especially rich in blue shades. Tr. pkt., \$1.50; 1/64 oz., \$2.50.

Siter's Hybrid. Attractive light-eyed strain. Medium large flowers, compact growth with small foliage. Originator's pkts. Tr. pkt., \$5.00.

CHERRY PEPPER. See page 21.

CLARKIA ELEGANS DOUBLE

2 feet. Sow in January, grow on in a flat. Must be run dry and not fed during growing season. Finest Mixed. Tr. pkt., 25c; 1/4 oz., 50c; oz., \$2.00.

CLEOME - Spider Plant

	Tr. pkt.	1/4 oz.	Oz.
4 feet tall.			
Helen Campbell. Pure white ...	\$0.35	\$0.65	\$2.00
Pink Queen. Color pink	.30	.50	1.75

COLEUS

Brilliantly colored foliage plants for beds, borders, pots or edging. Easy to grow from seed.

Large Leaved Hybrids. Seed saved from newest and finest large leaved varieties. Tr. pkt., \$1.00; 1/64 oz., \$2.25; 1/32 oz., \$4.50.

Rainbow Mixed. An excellent selection, highly colored. Tr. pkt., \$1.00; 1/64 oz., \$2.25; 1/32 oz., \$4.50.

COREOPSIS GRANDIFLORA (Perennial)

The long, graceful stems and rich, golden yellow color give this plant real value for cutting.

Sunburst. 24 in. A fine semi-double strain, with 2-inch golden yellow flowers. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.10.

COSMOS, SINGLE SENSATION

The most satisfactory class of Cosmos to grow.

Cardinal. Crimson.	Purity. Pure white.
Pinkie. Light pink.	Sensation Mixed.
Tr. pkt., 25c; 1/4 oz., 40c; oz., \$1.50.	

CUPHEA

Tr. pkt. 1/4 oz.

Firefly. A very attractive spring pot plant that may be planted out for bedding and border work. Height 12 in. and covered with small bright scarlet flowers throughout the summer. Oz., \$4.00 \$0.35 \$1.25

CYCLAMEN GIGANTEUM FAMOUS BINNEWIES STRAIN

All seeds are packed in original Binnewies sealed packages.

	Per 100	Per 1000
No. 1. Dark Blood-Red	\$2.00	\$18.00
No. 2. Bright Red	2.00	18.00
No. 3. Pure Rose	2.00	18.00
No. 5. White with carmine eye	2.00	18.00
No. 6. Pure White	2.00	18.00
No. 7. Bonfire. Brilliant salmon	2.25	20.00
No. 8. Salmon-Scarlet (America Improved)	2.25	20.00
No. 9. New Salmon-Rose Improved ..	2.25	20.00
No. 10 Salmon Color Dark (Perle of Zehlendorf)	2.00	18.00
No. 11. Salmon Color Light (Rose of Zehlendorf)	2.00	18.00
No. 24 Mixed Varieties	1.85	16.00



CINERARIA - Cremer's Improved Prize Strain.

CYNOGLOSSUM - Chinese Forget-Me-Not

Tr. pkt ¼ oz.

Firmament. A dwarf (15 inches) selection from the original blue strain; rich blue, even habit Oz., \$1.40; .. \$0.25 \$0.45



**Dahlias,
Unwin's Dwarf Hybrids**

Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.25.

DAHLIA

Seeds sown in March, plants will be in bloom by the end of June.

Unwin's Dwarf Hybrids. Double and semi-double types. Very even habit, 18 inches, with an attractive bright color range. Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.25; ¼ lb., \$7.00.

Fall Festival. The flowers are double, semi-double and a small proportion of singles.

DAISY—SHASTA (Perennial)
 (Chrysanthemum Maximum)

Double Shasta Alaska. Diener's Strain, reselected. 5-inch, double, white blooms. Plants 2½ ft. About 70% double. Tr. pkt., 50c; ⅛ oz., \$1.00; ¼ oz., \$1.50; oz., \$5.50.

G. Marconi. The largest flowered and finest double Shasta Daisy. Long-stemmed. A fine double cut-flower variety. Tr. pkt., 50c; ⅛ oz., \$1.50; ¼ oz., \$2.75; 1 oz., \$8.50.

Shasta Alaska. The most popular of all. Very large, pure white flowers with small yellow centers. 2½ ft. Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.40; 4 ozs., \$4.50.

GLORIOSA DAISY—See Rudbeckia Page 21.



Shasta Alaska



DIANTHUS, Gaiety

DIANTHUS - Pinks (Annual)

Brilliantly colored, sweet scented flowers for beds, borders, rock gardens, edgings and cutting. Plants grow about 1 ft. tall.

Dianthus Bravo. A new and bright scarlet-red color to annual dianthus. Blooms are lightly fringed, measure 1½" to 2" across, and are carried above the foliage.

Tr. pkt., 75c; ⅛ oz., \$2.00; ¼ oz., \$3.50; oz., \$12.50.

	Tr. pkt.	¼ oz.	Oz.
Fireball. Double dark scarlet . . .	\$0.30	\$0.50	\$1.50

Gaiety. Large, single fringed flowers. A brilliant range of colors. .25	.40	1.25
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Double Gaiety. Brilliant shades in a full range of colors	.30	.50	1.50
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Sweet Wivelsfield. The plants grow 12 inches high, showy blooms of pink and crimson ..	.30	.40	1.00
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Westwood Beauty. A new single red Dianthus with long stems..	.30	.50	1.50
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Wee Willie. 3 in. An extra dwarf Dianthus in shades of red. Must be planted close together for good effect. ⅛ oz., \$1.00....	.40	1.50	5.00
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DIANTHUS (Perennial)

Tr. pkt. ⅛ oz. ¼ oz.

Allwoodi Alpinus. Flowers first year from seed. 4 to 6 inches high; mixed colors. oz., \$6.00; \$0.35 \$1.00 \$1.75

Deltoides Brilliant. Rich rose-pink. .35 .75 1.50

Spring Beauty (Scoticus). Double giant-flowered Carnation-like in form. oz., \$5.00.35 .75 1.50

DELPHINIUM (Perennial)

Belladonna Type

Vita-Seal Packed

This much improved strain has larger flowers, well spaced on longer spikes.

Belladonna Improved. (Cliveden Beauty). Popular light blue, large flowered and a strong grower. Tr. pkt., 40c; ¼ oz., \$1.00; 1 oz., \$3.25; ¼ lb., \$11.50.

Bellamosum Improved. Extra select, dark blue, large flowers. Tr. pkt., 40c; ¼ oz., \$1.00; 1 oz., \$3.25; ¼ lb., \$11.50.

Blackmore and Langdon Hybrids. Shades of blue with contrasting bees. Tr. pkt., 40c; ¼ oz., \$1.15; 1 oz., \$3.25; ¼ lb., \$11.50.

Wrexham or Hollyhock Strain. Extra large tapering spikes. Tr. pkt., 50c; ¼ oz., \$1.75; 1 oz., \$6.00.



DELPHINIUM
Pacific Giants Mixed



DIGITALIS - Foxglove

DELPHINIUM, PACIFIC GIANTS

Vita-Seal Packed

Flowers extremely well formed are of immense size. 2½" to 3½-inch diameter.

Astolat Series. Color, pale blush through lilac-pink.

Black Knight Series. The darkest of them all.

Blue Bird. A clear medium blue with huge tall spikes.

Bluejay Series. The color is clear medium to dark blue.

Cameliard Series. A pure lavender self, with white bee.

Galahad Series. Finest white of enormous size.

Guinevere. Light pink-lavender with white bee.

King Arthur. Brilliant royal velvet with large white bee.

Round Table Series. Finest mixed.

Summer Skies. Light blue with white bee.

Prices of Above Varieties:

Tr. pkt., \$1.25; ⅛ oz., \$2.50; ¼ oz., \$4.00; oz., \$15.50.

DIDISCUS

Blue Lace. (Coeruleus). Small heads of light lavender flowers in sprays. Useful for spring forcing, or outdoors in cool climates. Tr. pkt., 30c; ¼ oz., 80c; oz., \$2.40.

DIGITALIS - Foxglove
 (Perennial)

Giant Shirley Mixed. A greatly improved strain of unusually strong, vigorous growth. Enormous spikes 3 to 5 feet. Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.75.

DRACAENA

Indivisa. Narrow green leaves. The popular kind for bedding or vases. Tr. pkt., 25c; oz., 75c.

ESCHSCHOLTZIA (California Poppy)

Choice Mixture. A mixture of dwarf erect varieties containing many new colors. Tr. pkt., 20c; ¼ oz., 45c; oz., \$1.75.

FEVERFEW - Matricaria

While generally raised from cuttings, nice stock can be grown from seed and makes an excellent cut flower. **Ball's Double White.** Extra. Tr. pkt., \$1.00; 1/16 oz., \$2.00; ½ oz., \$3.50; ¼ oz., \$5.50.

Dwarf Golden Ball. Tr. pkt., 40c; ½ oz., \$1.00.

FORGET-ME-NOT - Myosotis

(Biennial)

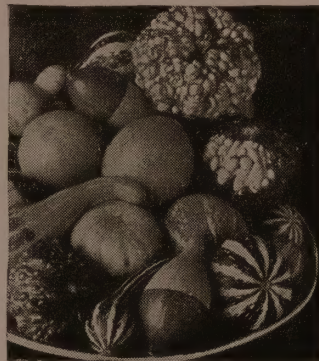
	Tr. pkt.	¼ oz.
Alpestris, Victoria. Azure-blue.	1/8 oz., 75c ..	\$0.35 1.25
.....	1/8 oz., 75c ..	.35 1.25
Victoria Rosea. Bright rose	1/8 oz., 75c ..	.35 1.25
.....	1/8 oz., 75c ..	.35 1.00
Royal Blue (Indigo-Blue). oz., \$3.25....		
Oblongata, Blue Bird. Large deep blue flowers 3 to 4 months after sowing; height 1 ft.	oz., \$3.25	.35 1.00

FOUR O'CLOCK

	Tr. Pkt.	Oz.
Marvel of Peru, Mixed ¼ lb. \$1.50	\$0.20	\$0.50



GEUM
Mrs. Bradshaw



GOURDS

GAILLARDIA GRANDIFLORA

(Perennial)

	Tr. Pkt.	Oz.
Dazzler. Large flowers, bright golden yellow, with rich maroon-red center. 3 ft.	¼ oz., 50c ..	\$0.30 1.85
Goblin. Very compact globular plants, red and yellow bi-color	¼ oz., 75c ..	.35 2.25
Portola Hybrids. Color a brilliant scarlet with copper hue. Petals heavily tipped with golden yellow 2½ to 3 ft.	¼ oz., 75c ..	.35 2.25
Monarch Strain. A superior mixture	¼ oz., 50c ..	.30 1.85

GEUM

(Perennial)

Lady Stratheden. Double golden yellow. Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.50.
Mrs. Bradshaw. Double fiery orange-red. Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.50.

GOURDS, ORNAMENTAL

Decorative Varieties, Mixed. Tr. pkt., 25c; oz., 75c; ¼ lb., \$2.00; 1 lb., \$6.50.

PANO-DRENCH Aids to Good Germination

An effective control for damp-off, stem and root rot. Used as a pre-emergence or post-emergence drench—two teaspoons to three gallons of water—applied with an ordinary sprinkling can. Try it. 1-oz. bottle, \$1.95; 4-oz. bottle, \$5.95; 16-oz. bottle, \$19.20.

GLOXINIA - German Strain

Gigantea Mixed. Huge flowers measuring from 4½ to 5 inches, on strong stems. Beautiful attractive shades. Tr. pkt., \$1.25; 6 pkts., \$6.00.

GOMPHRENA - Globe Amaranth

An attractive everlasting garden flower with some value for cutting. A fine bedder for hot, dry climates. **Mixture of colors.** Tr. pkt., 25c; ¼ oz., 40c; oz., \$1.25; ¼ lb., \$4.00.



GOMPHRENA



HELICHRYSUM

GREVILLEA

Robusta (Australian Silk Oak). Popular for specimen or combination work. Tr. pkt., 40c; ¼ oz., \$1.20; oz., \$4.00.

GYPSOPHILA ELEGANS

These are always in demand for mixing with other cut flowers.

Grandiflora Alba, London Market. The largest flowered pure white Gypsophila. Tr. pkt., 15c; oz., 30c; ¼ lb., 85c; 1 lb., \$2.50.

GYPSOPHILA - Baby's Breath

Paniculata. Small, white flowers about 50 per cent double. An excellent strain for drying. Tr. pkt., 35c; ½ oz., 85c; ¼ oz., \$1.50.

HELICHRYSUM

The popular double Strawflower.
Choice Mixed. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.40.

HELIOTROPE

Pacific Hybrids. Very fragrant, early dark blue. Tr. pkt., 40c; ¼ oz., \$1.00; oz., \$3.25.

HEUCHERA - Coralbells

(Perennial)

Sanguinea Hybrids. Mixed colors.
Sanguinea Spitfire. Rich scarlet.
Prices above, each: Tr. pkt., 50c; 1/16 oz., \$1.50.

HOLLYHOCKS (Perennial)

Triumph. Double mixed. Large, fully double flowers in unusual, delicate art shades. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.50.

Chater's. The popular double mixed. Tr. pkt., 35c; ¼ oz., 65c; 1 oz., \$2.25.

IMPATIENS - Sultanas

Excellent plant for shady positions with glossy leaves and attractive blooms. Provide splendid pot plants.

Dwarf Hybrids Mixed. Tr. pkt., \$1.00; 1/32 oz., \$2.50.

KALANCHOE

Tom Thumb. Produces perfectly rounded, symmetrical plants literally covered with small bright scarlet flowers. Tr. pkt., \$1.25; 1/128 oz., \$2.50; 1/64 oz., \$4.50.



Annual Larkspur

ANNUAL LARKSPUR

Vita-Seal Packed

The Ideal Cut Flower Strain

This is by far the most desirable and florists' favorite because of its especially clear colors, uniformity in height.

Larkspur seed may be sown directly in the open in the fall, outdoor sowing in September will give the best blooms in the spring, however if sown early in the spring it should bloom in 90 days.

Under Glass—Spring Flowering: For indoor growing, Larkspur is a nice crop to follow late Mums. Well started 3-inch banded or potted plants should be ready for December benching.

Blue Spire. Violet-blue.

Dark Blue Supreme. The best deep violet-blue.

Lilac King. Rich lilac.

Lilac Supreme. A pleasing shade of clear lilac.

Los Angeles Improved. Fine pink.

Regal Pink. Brilliant pink on salmon.

Regal Rose. Rich florist's color.

Rose Supreme. A clear, pure deep rose.

Salmon Supreme. A true shade of medium salmon-rose.

White Supreme. A fine white Larkspur.

White King. Pure white.

Supreme Mixture.

Prices of the above varieties:

Tr. pkt., 35c; 1 oz., \$1.25; 1/4 lb., \$4.50; lb., \$16.00.

LIATRIS (Perennial)

Pycnostachya. Extra long-stemmed with long, 15- to 18-inch flower spikes of rosy purple. Finest cut-flower kind.

Prices: tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.50.

LINUM - Flax (Perennial)

Perenne (Blue Flax). Pale blue, round-shaped flowers on slender stems, height 18 inches. Tr. pkt., 20c; 1/4 oz., 35c; oz., \$1.00.

LOBELIA

Excellent for bedding, window boxes, baskets, etc. December or January sowing is recommended for early use.

Cambridge Blue. Lovely compact, plants, light blue flowers, green foliage.

Crystal Palace. 4 inches, marine-blue. Green foliage.

Mrs. Clibran. Deep blue, white eye, dark foliage.

Rosamond. Rich violet-rose with white eye.

Sapphire. For hanging baskets, large, deep navy-blue with white eye.

Prices above: Tr. pkt., 35c; 1/4 oz., \$1.00; oz., \$3.50.

LUPINUS (Annual Lupines)

HARTWEGI GIANTS or KING

Choice Mixed. Tr. pkt., 25c; 1/2 oz., 60c; oz., \$1.00.

LUPINUS, Polyphyllus (Hardy Lupine)

Fine for cutting. Requires a well drained location

Russell Strain. Long closely set flower spikes and attractive colors. Tr. pkt., 40c; 1/4 oz., 75c; oz., \$2.25.

LYCHNIS (Perennial)

Chalcedonica. Fine scarlet flowers. 2 ft. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

MATRICARIA - Feverfew

(Page 13)

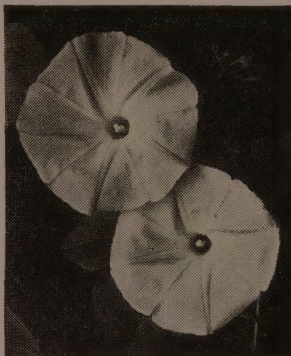
MOONFLOWER (Ipomoea Noctiflora)

Among the fastest growing and most popular of all summer climbers.

Noctiflora (White Moonflower). Night blooming. Tr. pkt., 20c; oz., 65c; 4 ozs., \$2.25.

MORNING GLORY - Ipomoea

Candy Pink. Large, clear pink flowers—a new and unusual color in Morning Glories. Tr. pkt., 25c; 1/4 oz., 50c; oz., \$1.50.



Ipomoea, Heavenly Blue

Clarke's Heavenly Blue.

The most popular Morning Glory, flowering very early and with almost unbelievable freedom. A beautiful shade of belladonna-blue flowers. Tr. pkt., 20c; 1/2 oz., 50c; oz., 75c; 4 ozs., \$2.25.

Scarlett O'Hara. Rich dark wine-red or deep crimson, with attractive foliage. Tr. pkt., 25c; 1/2 oz., 75c; oz., \$1.25.

NASTURTIUM, DOUBLE

Double Scarlet Gleam. **Double Golden Gleam.**

Glorious Gleam Hybrids. Similar in habit and growth. Each: Pkt., 25c; 1 oz., 40c; 1/4 lb., \$1.25.

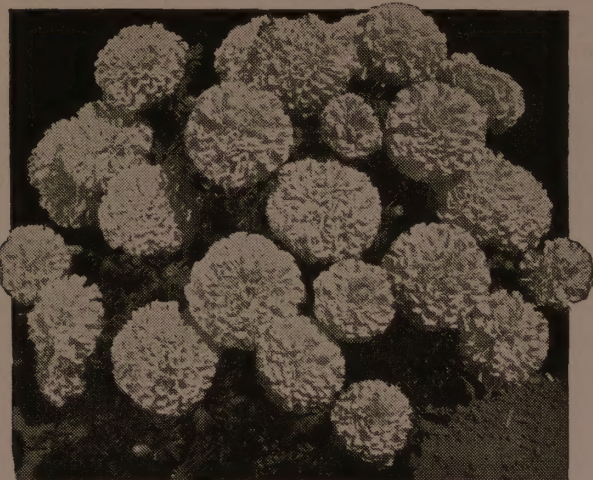
NIEREMBERGIA

Purple Robe. A fine dwarf deep violet-blue, blooms in 15 weeks from seed. Tr. pkt., 50c; 1/32 oz., \$1.75.

NICOTIANA - Flowering Tobacco

15 in. makes a very compact growth and very free flowering. **Nicotiana Hybrids, Mixed.** Tr. pkt., 35c; 1/4 oz., 75c; oz., \$2.50.

MARIGOLD, DWARF FRENCH DOUBLE



Petite Marigold

PETITE STRAIN MARIGOLD

An extra dwarf, fully double strain of Marigolds. Its extra early blooming habit makes it ideal for Market-Pak or flat sales. Grows about 6 in. tall and 10 in wide. Flowers are 1 to 1 1/4 inches in diameter.

Petite Gold. Between Orange and Yellow in color.

Petite Harmony. Golden anemone crest with deep mahogany guard petals.

Petite Orange. Fully double, bright orange flowers.

Petite Spry. Yellow crested center, mahogany red.

Petite Yellow. A clear, strong yellow.

Petite Mixture. All of the above varieties.

Prices above 6, each: Tr. pkt., 35c;

1/4 oz., \$1.00; oz., \$3.00; 4 ozs., \$9.00.

CUPID MARIGOLDS

(Dwarf Chrysanthemum-Flowered)

A combination of large flowers and dwarf habit, an entirely new dwarf Marigold. Extremely uniform, these compact, odorless, bushy plants produce blooms of startling size—up to 2 1/2 inches. Cupid reaches 10 inches in open beds, but will bloom at a height of 4 to 6 inches in 3-inch pots.

Cupid Golden. Light gold.

Cupid Yellow. Bright

Cupid Orange. Rich orange.

lemon-yellow flowers.

Cupid Mixed.

Prices above 4, each: Tr. pkt., 35c; 1/8 oz., 75c;

1/4 oz., \$1.40; oz., \$4.50.

MARIGOLD - Dwarf French Single

1 ft.

Naughty Marietta. Rich golden yellow petals attractively marked maroon at the base. 2-inch flowers. Tr. pkt., 30c; 1/4 oz., 50c; oz., \$1.75; 4 ozs., \$5.50.

Dainty Marietta. A compact even plant with flowers of soft golden yellow and a maroon blotch at the base of each petal. Tr. pkt., 30c; 1/4 oz., 50c; oz., \$1.75; 4 ozs., \$5.50.

Spanish Flag Finest Mixed. Blended mixture of only the modern Dwarf Single Marigolds in red, yellow and bicolor. Tr. pkt., 25c; 1/4 oz., 50c; oz., \$1.50; 4 ozs., \$5.00.

MARIGOLD, TAGETES (Signata Pumila)

Ursula. Dense, rounded, free flowering plants with fine lacy foliage. Small, golden yellow flowers.

Prices: Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.50.

MARIGOLD, SPUN GOLD

An early dwarf Chrysanthemum-flowered type averaging 12 inches tall. Erect bushy growth with a multitude of large double flowers 3 inches across, with incurved petals, bright golden yellow in color. The foliage is medium green. Tr. pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$1.75; 1 oz., \$6.00.

MARIGOLD - Dwarf French Double

These fine, uniform strains are among the most popular florist bedding plant subjects. Double varieties, such as Cupid, Spry, etc., are also valuable for combination boxes and pots. Will flower in about 8 weeks from seedling.

Brownie. Mahogany red bright golden crested center.

Butterball. 8 in. Most dwarf Marigold in our trials. Light butter-yellow petals tipped wine-red. Guard petals also wine-red. Compact habit.

Color Magic. Bushy growing plants, similar to the popular Spry, but with fully double, 1 1/2-inch flowers in shades of yellow and orange irregularly marked dark red. Color changes as season progresses.

Harmony Hybrids. 14 in. Compact habit combined with early free flowering. Orange and yellow shades with blotched and striped combinations.

Lemon Drop. Dwarf, compact plants with medium small, fully double, lemon-yellow flowers. 9 inches tall. Excellent for bedding plant sales, as the first bloom is fully double.

Midget Harmony. 9 in. Medium size, Scabious-like, double flowers. Deep orange center with maroon-red outer petals.



Midget Harmony



Marigold, Spry

Spry Hybrids — Mixture flowers, gay mixture of colors; extra dwarf type, remarkably uniform and early.

Spry. 10 in. Our most popular Marigold. Well known for its brightly contrasting golden yellow Anemone crest over deep rich mahogany guard petals. Dwarf and free flowering.

Sunkist. 9 in. Uniformly dwarf and compact with solid, deep golden orange, Anemone type flowers about an inch in diameter.

Yellow Pygmy. 10 in. Excellent very free flowering dwarf Marigold. Double lemon-yellow and nearly 100% true.

Dwarf French Double Mixture. 12 in. Medium dwarf sorts.

Prices above 11, each; Tr. pkt., 35c; 1/4 oz., 60c; 1 oz., \$1.90; 4 ozs., \$6.00.

CONTINUED ON NEXT PAGE

MARIGOLD - Cutting or African

CONTINUED FROM PREVIOUS PAGE

Most any grower will find a spring crop of cut-flower Marigolds quite profitable. A January or February sowing, spaced about 4x5 inches and grown single stem, will flower April and May. The All-Double and Carnation-flowered types are most popular, but be sure to include some of the Chrysanthemum-flowered.

MARIGOLD**Tall African, Double Fistulosa**

2½ to 3 ft.

An especially fine tall branching strain, bearing enormous flowers of the quilled type; valuable for cutting.

Orange All-Double. A strain of African Marigold which has come about 95% double. A superior strain for cutting. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.75; 4 ozs., \$6.00.

Lemon All-Double. Same trueness to double type as All-Double Orange. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.75; 4 ozs., \$6.00.

All-Double Mixture. Mixture of above All-Double varieties. Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.60; 4 ozs., \$5.50.

Chrysanthemum-Flowered Types

Produces almost perfect ball-shaped Chrysanthemum-like blooms about 3 inches in diameter. Exceptionally vigorous and free branching in growth.

Glitters. Marigold has large, fluffy Chrysanthemum-like, sharp canary-yellow flowers, 3 in. and more across, which are freely borne on long, strong stems. Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.75.

Goldsmith (Mission Giant). A very attractive light golden orange in this popular class. Tr. pkt., 30c; ¼ oz., 65c; oz., \$2.25.

Mammoth Mum. The largest of the Chrysanthemum-flowered Marigolds. Light sulphur-yellow. Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.50.

Mission Giant Mixed. A well balanced mixture in this new type; ranges from deep orange to light yellow. Tr. pkt., 30c; ¼ oz., 50c; oz., \$1.75; 4 ozs., \$5.50.



Mammoth Mum

MARIGOLD, Double Carnation-Flowered

2½ Feet

The loose, informal flowers are fluffy in appearance. **Crackerjack.** Extra large, 100% double, Carnation-flowered blooms in shades of orange, gold and yellow. Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.50; 4 ozs., \$9.00.

Guinea Gold. Attractive deep golden orange flowers, 2 to 3 in., and very freely produced; fine for cutting. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

Yellow Supreme. Bright lemon-yellow, loose petaled flower. Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.60; 4 ozs., \$5.25.

GIANT PANSIES

20,000 seeds per ounce.

The finest strain of fancy Pansies composed of seed which is hand picked from individual plants.

Color Carnival. An F₂ generation hybrid with exceptionally large blooms. Plants are compact yet vigorous. The color range is magnificent, rich in reds and scarlets, all blooms are blotched. Tr. pkt., \$1.00; ⅛ oz., \$3.00; ¼ oz., \$5.50; 1 oz., \$20.00.

Engelmann's Giant. Attractive, huge flowers, choice bedding and cut flower strain. Originator's seed in V-seal. Tr. pkt., \$1.00; ⅛ oz., \$2.25; ¼ oz., \$3.75; ½ oz., \$6.50; 1 oz., \$12.50.

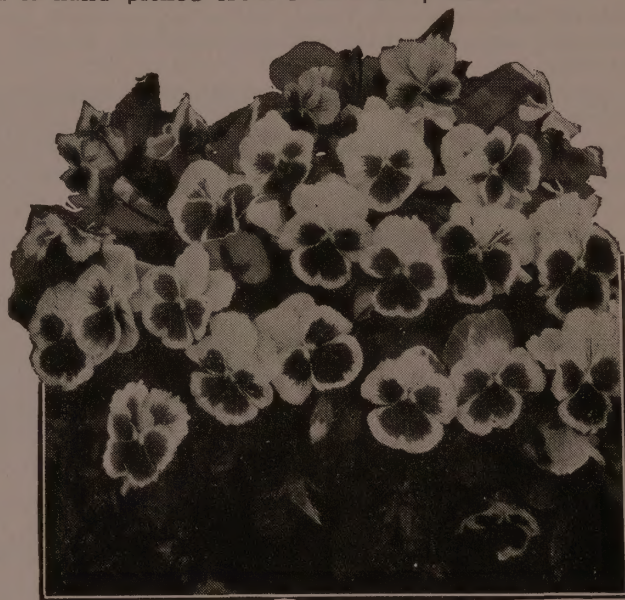
Pay Dirt. Largest golden yellow. Tr. pkt., \$1.00; ⅛ oz., \$2.75; ¼ oz., \$5.00; ½ oz., \$9.50.

Steele's Butterfly Hybrids. A select new ruffled Pansy. A fine mixture of the most unusual pastel shades. Tr. pkt., \$1.00; 1/16 oz., \$1.50; ⅛ oz., \$2.75; ¼ oz., \$5.00; ½ oz., \$9.50.

Steele's Jumbo Mixed. This superb strain of Pansies is of largest size, richest and most varied colors. Tr. pkt., \$1.00; ⅛ oz., \$3.40; ¼ oz., \$6.10; ½ oz., \$10.35; 1 oz., \$16.55.

Super Swiss Giants Mixed. A magnificent blend of Swiss Giants. Grand in size, form, color and substance; blotched and beautifully marked. Plants low and compact. Tr. pkt., 50c; ⅛ oz., \$1.75; ¼ oz., \$3.00; ½ oz., \$5.00; 1 oz., \$9.50; 4 ozs., \$36.00.

Super Maple Leaf Giants. The sturdy plants have large flowers in radiant colors, especially blue with yellow, white with black. Tr. pkt., 50c; ⅛ oz., \$1.75; ¼ oz., \$3.00; ½ oz., \$5.50; 1 oz., \$9.50.

**SWISS GIANT—SEPARATE COLORS**

Alpenglow. Mahogany-red with dark center.
Coronation Gold. The finest, clear golden yellow.
Raspberry Rose. Soft pink with velvety blotch.
Rhinegold. Large-flowered yellow with dark center.
Thuner Sea. A blue with darker blotch.
Ullswater (Lake of Thun). Marine-blue.
White. Pure white.
 Prices above: Tr. pkt., 75c; ⅛ oz., \$2.00; ¼ oz., \$3.00; 1 oz., \$10.00.

SELECTED PETUNIAS

Our Petunia seeds are of the finest quality, grown by the best growers in California, Colorado and Japan from selected plants. No pot plant more profitable or satisfactory than a fine pot plant of petunias.



ALL-DOUBLE DWARF

PETUNIAS

SINGLE PETUNIAS

Dwarf Giants of California

Flowers are beautifully ruffled and fringed with open well marked throats. This dwarf class makes particularly fine 3- and 4-inch pot plants for spring business. Seed for this purpose should be sown in January.

Dwarf Giants of California Select Mixed. This is the best strain of giant-flowered Petunias in existence for pot culture and bedding. Tr. pkt., \$1.00; 1/64 oz., \$2.25; 1/32 oz., \$4.00; 1/16 oz., \$7.00.

Dwarf Giants of California, Ramona Strain, Dark and Light Shades. A dwarf, sturdy growing type especially suited to pot culture. Tr. pkt., \$1.00; 1/64 oz., \$2.00; 1/32 oz., \$3.50.

PETUNIA GRANDIFLORA

Single Plain Edged

Free flowering 12 to 14" plants, some varieties spreading, others compact. Many plain-edged flowers of heavy substance and velvety texture.

Carnival—A mixture of fringed and ruffled flowers, typical of the grandiflora type, consisting of wide range of colors. Tr. pkt., \$1.00; 1/64 oz., \$1.90; 1/32 oz., \$3.50; 1/16 oz., \$6.50.

Dwarf Elk's Pride. This velvety purple is one of our most popular varieties. Tr. pkt., 75c; 1/64 oz., \$1.75; 1/32 oz., \$3.25; 1/16 oz., \$5.50.

Flaming Velvet. Velvety blood-red. Tr. pkt., 75c; 1/64 oz., \$1.50; 1/32 oz., \$2.75.

Popcorn. Single plain edged variety identical in flower form and size of bloom with Snowstorm. Dwarf and compact. Excellent for pot work or bedding. Tr. pkt., \$1.00; 1/64 oz., \$2.50; 1/32 oz., \$4.75.

Snowstorm Improved. Large, pure white, fragrant flowers on compact plant of very uniform growth; favorite white for pot plants, excellent for bedding. Tr. pkt., 75c; 1/64 oz., \$1.75; 1/32 oz., \$3.25.

Ruffled Monsters Mixed. Formula mixture. Tr. pkt., 75c; 1/64 oz., \$1.75; 1/32 oz., \$3.25.

ALL-DOUBLE PETUNIAS

The following are selected varieties chosen for their quality and popularity. Double Petunias make a reasonably priced yet profitable pot plant for Easter and Mother's Day sales. December sowing is necessary to produce 4- and 5-inch plants.

ALL-DOUBLE DWARF Victorious Strain

Blue Brocade Improved. The real dwarf blue.

Gaiety. Beautifully striped and mottled with bright rose and white. Very dwarf and compact.

White Swan. The largest pure white, fully double.

Rosy Carmine Improved. Bright rose.

Victorious Mixed. Covering full range of colors, excellent in its splendor and its even dwarf growth.

Prices above 5, each: ½ tr. pkt., \$2.25; tr. pkt., \$4.00; 1/128 oz., \$6.50; 1/64 oz., \$12.50.

ALL-DOUBLE DWARF PETUNIAS

Pan-American Strain

Allegro Improved. Large, double, fringed, deep salmon.

Caprice Improved. Double, deep fringed, bright rose.

Nocturne. A deep midnight-purple.

PRESTO. Color rose and white, beautiful color.

Rhapsody. Burgundy-wine-purple, a new color.

Sonata. Large, double, pure white, fringed.

Prices above, each: ½ tr. pkt., \$2.75; tr. pkt., \$4.50; 1/128 oz., \$8.50.

Glorious Mixture. Contains both tall and dwarf types in all Pan-American colors. In transplanting, be sure to use both large and small seedlings, thus insuring a complete range of colors. ½ tr. pkt., \$2.25; tr. pkt., \$4.00; 1/128 oz., \$7.60; 1/64 oz., \$14.45.



GRANDIFLORA, Large Plain edged

PETUNIA HYBRIDA, BEDDING

This class is of vigorous growth and for this reason is suited to outdoor bedding where summers are most trying. 12 to 14".

Blue Bee. Blue of Jersey Gem Viola.

General Dodd. This is a velvety blood-red.

Howard's Star Improved. Purple with white star.

White King. Pure White.

Choice Bedding Mixed. A very choice mixture.

Prices above: Tr. pkt., 35c; ½ oz., 75c; ¼ oz., \$1.25; oz., \$4.75.

SELECTED PETUNIAS, Continued From Previous Page
SELECTED PETUNIAS, F₁ HYBRID—Grandiflora, Large Single



PETUNIA F₁ HYBRID GRANDIFLORA
FRINGED AND RUFFLED

F₁ Hybrid Petunia is seed saved from an artificial cross of 2 specially selected parents—both impart special qualities to the cross and together produce an amazing degree of vigor. Average height 10-12 inches.

Ballerina. Large, single, fringed flowers of a soft glowing salmon. Plants are dwarf and compact.

Blue Lace. Dwarf, ruffled and fringed. Excellent for blue effect in the garden. Lovely light orchid-blue penciled with deeper violet-blue.

Blue Magic. Described by the originator as an F₁ Hybrid Admiral with Admiral-blue flowers up to 3 inches across. Growth habit is compact.

Calypso. Striking red and white bicolor grandiflora. Brilliant!

Crusader. Gaily striped, extra bright rose-pink on pure white. Grown in shade the color balance will go to the dark side.

Fire Dance. F₁ Hybrid. A brilliant salmon-scarlet with yellow throat. Deeply fringed. Uniformly dwarf.

Fire Gleam. Medium sized, ruffled flowers of brilliant cream cherry-red.

La Paloma. Large well fringed flowers, pure white with yellow throat. Most uniform and vigorous grower.

Lavender Lace. Heavily fringed Grandiflora type flowers of warm lavender-rose with deeper heliotrope veins.

Maytime. This excellent F₁ Hybrid covers itself with large, ruffled blooms of soft salmon-pink shade.

Pink Magic. Early and free flowering, bright pink. Unexcelled for pots, combinations or bedding.

Prima Donna Improved. A real improvement of the popular All-America Award Winner. Warm rose-pink, early dwarf.

Sabre Dance. Huge bright crimson and white flowers, 4½ in. across, mostly with white star pattern. Dwarf, compact, very vigorous plants.

Tango. Deep salmon outside of bloom, shading to scarlet-salmon nearer throat. Flowers 3½ to 4 in. across, beautifully fringed.

Toreador. Large, slightly ruffled flowers of solid, deep, crimson-red are carried on uniform, compact plants.

White Magic. An early white. Large ruffled blooms.

Ballet Mixed. A blending of the above F₁ Hybrid Petunias with the addition of a deep purple and steel-blue to complete the mixture.

Each of the above 17 varieties: ½ tr. pkt., \$1.35; tr. pkt., \$2.50; 1/128 oz., \$4.50; 1/64 oz., \$8.00; 1/32 oz., \$15.50; 1/16 oz., \$30.00.

THE LUSTRES
NEW PETUNIA F₁ HYBRID
GRANDIFLORA

Vita-Seal Packed

This superior group, beginning with Blue Lustre, is now expanded to the four Hybrids listed below. All have waved petals, all have compact, low-growing plants, all produce well under a wide range of climatic conditions.

Blue Lustre. The wonderful, big, waved Grandiflora flowers are deep mid-blue, becoming almost as dark as Elk's Pride in cool weather. Plants grow 11 inches tall and 1½-2 feet across. Uniform, bushy plants.

Salmon Lustre. While the exact color of an individual flower is hard to define, the garden effect of this new and beautiful Lustre is a rich salmon-pink. Plants grow only a foot tall, spread to two feet across, and produce steadily over the whole plant area right through the season.

Rose Lustre. A brand new Hybrid, and with a strong rose-pink color unique in its class. It is hard to imagine how brilliant, how commanding these flowers can be, but comparison with others is most convincing. Blooms are 3½ inches across, waved and lightly fringed, and with a light yellow throat.

Scarlet Lustre. Large ruffled and fringed flowers of the same scarlet-red-gold throat color as Fire Dance, but a stronger grower and more disease resistant.

Prices of above 4 varieties: ½ tr., pkt., \$1.75; tr. pkt., \$3.00; 1/128 oz., \$5.50; 1/64 oz., \$10.00; 1/32 oz., \$18.00; 1/16 oz., \$34.00.

NEW PETUNIAS, F₁ HYBRID
CASCADE TYPE

CASCADE SERIES. Petunias of extra size, masses of color, cascading habit for use in window boxes and planters as well as beds and borders.

Pink Cascade. Lovely Prima Donna rose pink with unbelievably large flowers 4½ to 5 inches in diameter.

White Cascade. Favorite pure white with 4½ to 5 in. blooms. Literally cascades from boxes and planters, yet adapted for beds and borders.

Red Cascade. Large fiery red flowers 3½ to 4½ inches across for bold accent.

Fandango. Deep violet blue flowers each with a white center usually star shaped. Very striking and unusual.

Prices above 4, each: ½ tr. pkt., \$1.50; tr. pkt., \$2.75; 1/128 oz., \$4.75; 1/64 oz., \$8.75.



Petunia, Crusader

SELECTED PETUNIAS, F₁ HYBRID MULTIFLORA—Continued From Previous Page**PETUNIAS, F₁ HYBRID MULTIFLORA****The Vigorous, Colorful "Redskin" Series.**

Very free-flowering plants, dwarf and compact.

Comanche. A brilliant scarlet-crimson, deeper and more intense than Fire Chief, with larger flowers.

Comet. Bright warm crimson with a perfect white star. Far superior to anything yet offered in this class.

Glitters. A fiery combination of bright scarlet-crimson and white. Truly brilliant.

Inca. Bright deep cerise-rose—about the color of Apache but with a lively, contrasting golden throat.

Linda. Brilliant rosy salmon flowers are carried on bushy, solid plants of great vigor.

Mercury. The first F₁ Hybrid. Popular light blue. The nearest to a true blue; dwarf, compact.

Neptune. Light violet-blue, appears almost indigo in evening light. Excellent, dwarf, compact.

Paleface. Without question the most vigorous and extremely free flowering white bedding Petunia.

Polaris. Violet-blue-white starred Multiflora.

Satellite. Bright rose with a perfect white star. Far more brilliant than the old inbred variety, Twinkles, and very free flowering.

Sugar Plum. Small flowers of bright orchid with deeper wine-red veins are freely produced on dwarf, compact plants. An outstanding novelty.

Venus. Bright celestial rose-pink; dwarf, compact, spreading.

Multiflora Pow Wow Mixed. A well balanced formula mixture of above varieties.

Prices all above 13 varieties: $\frac{1}{2}$ tr. pkt., \$1.00; tr. pkt., \$1.75; $\frac{1}{128}$ oz., \$3.00; $\frac{1}{64}$ oz., \$5.50; $\frac{1}{32}$ oz., \$10.00; $\frac{1}{16}$ oz., \$19.00.

**5 SATIN PETUNIAS
F₁ HYBRID MULTIFLORA****Vita-Seal Packet**

With Red Satin leading the way in 1957, earning an All-America Award in that year, the Satin class has expanded until there are now five Hybrids of similar plant and flower type. The class is outstanding in its dwarf, compact habit of growth.

Coral Satin. With its true Satin-style, tenaciously compact plants, and its lovely coral-rose flowers.

Peach Satin. Large flowers which open first to a coral color, changing the next day to an appealing soft salmon-pink.

Pink Satin. Fine, dwarf, globe-shaped plants with a solid mass of satiny, lustrous, bright pink blooms.

Red Satin. More dwarf and compact than Comanche and a bit brighter red in color.

White Satin. A welcome addition to the Satin class, these pure white flowers are borne on typical Satin-type plants.

Prices above 5, each: $\frac{1}{2}$ tr. pkt., \$1.25; tr. pkt., \$2.25; $\frac{1}{128}$ oz., \$3.50; $\frac{1}{64}$ oz., \$6.00; $\frac{1}{32}$ oz., \$10.75.

PETUNIA HYBRID NANA COMPACTA (Dwarf Bedding)**(Hybrida Bedding—See Page 17)**

Admiral. Most attractive dwarf blue bedding Petunia. Flowers are ruffled, adding greatly to their distinctiveness. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.50; $\frac{1}{16}$ oz., \$4.50; $\frac{1}{8}$ oz., \$8.50.

Blue Bedder Imp. Mid-blue, compact. Very free flowering. Tr. pkt., 40c; $\frac{1}{8}$ oz., 90c; $\frac{1}{4}$ oz., \$1.50.

Celestial Rose Re-selected. Definitely superior to the regular Celestial Rose, slightly dwarfer in habit and larger flowered. Unquestionably the best available strain of this fine pot plant item. Tr. pkt., 40c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$2.00; oz., \$6.50.

Elk's Star. Velvety reddish purple, white star. Exceptionally uniform and compact bedding strain. Tr. pkt., 50c; $\frac{1}{16}$ oz., \$1.50; $\frac{1}{8}$ oz., \$2.75.

Fire Chief. A brilliant scarlet-red. Plants dwarf and compact with long blooming season. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.00; $\frac{1}{16}$ oz., \$1.50; $\frac{1}{8}$ oz., \$2.75; $\frac{1}{4}$ oz., \$5.00.

King Henry. Large flowers of a rich velvety blood-red color. Very free flowering. Dwarf, compact habit. Tr. pkt., 75c; $\frac{1}{32}$ oz., \$1.50; $\frac{1}{16}$ oz., \$2.75; $\frac{1}{8}$ oz., \$5.25.

Lipstick. Carmine-rose with just a suggestion of salmon. Lipstick should prove an excellent garden variety. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.00; $\frac{1}{16}$ oz., \$1.50; $\frac{1}{8}$ oz., \$2.00; $\frac{1}{4}$ oz., \$4.00.

Rose of Heaven Improved. Perfectly uniform, fine rose-pink color; dwarf habit. Tr. pkt., 35c; $\frac{1}{8}$ oz., 65c; $\frac{1}{4}$ oz., \$1.25; $\frac{1}{2}$ oz., \$2.25.

Rosy Morn Improved. Differs from the original in that the rose coloring is stronger and deeper and habit some stronger. Quite uniform and distinct in every way. Tr. pkt., 40c; $\frac{1}{4}$ oz., \$1.25; oz., \$4.50.

Snowball Improved. This compact white Petunia is the result of many years work to obtain a lower growing compact strain. Tr. pkt., 40c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75; oz., \$5.50.

Velvet Ball. Dwarf, compact plants with velvety blood-red blooms. Tr. pkt., 75c; $\frac{1}{32}$ oz., \$1.50; $\frac{1}{16}$ oz., \$2.75; $\frac{1}{8}$ oz., \$5.25.

Violacea. Deep violet, dwarf, with a bright blue cast. Tr. pkt., 35c $\frac{1}{8}$ oz., 75c; $\frac{1}{4}$ oz., \$1.40; oz., \$5.00.

Nana Compacta Mixed. A well balanced mixture. Tr. pkt., 35c; $\frac{1}{8}$ oz., 75c; $\frac{1}{4}$ oz., \$1.25; oz., \$4.50.

PENTSTEMON - Beard Tongue

(Perennial)

Sensation. The most brilliant and varied colors; many of them are beautifully edged with a fine contrasting color. 2 ft. Tr. pkt., 40c; $\frac{1}{4}$ oz., \$1.00; oz., \$3.50.

PHLOX

Drummondii Nana Compacta

Dwarf type for growing in pots or bedding. The symmetrical dwarf, compact plants are especially suited for bedding, rock garden, and pots. 6 to 8 inches.

Twinkle. Dainty flowers of the dwarf starred type, with pointed petals, are lavishly produced on dwarf, compact plants. An unusually wide assortment of colors. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.25; $\frac{1}{4}$ oz., \$2.00; oz., \$6.00.

Beauty Mixed. A neat compact strain of dwarf Phlox with blooms twice the size of the regular strains. Tr. pkt., 40c; $\frac{1}{4}$ oz., \$1.25; oz., \$4.50.

Globe Mixed. Height 8 inches. Plants branch fully from the base of the plant, creating a beautifully rounded, uniform shape. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$2.00; oz., \$6.50.



Phlox Drummondii



Primula Malacoides

PAPAVER ORIENTALE - Oriental Poppy

Large cup-shaped flowers with crinkled petals. Newly open flowers when cut in early morning or late evenings will keep in water for 3 to 5 days if ends of stems are well burned within 5 minutes of cutting. Oriental Poppies do not come entirely true from seed. **Brilliant.** Brilliant fiery red; 40 in.

Mixture of All Colors

Tr. pkt., 35c; $\frac{1}{4}$ oz., \$1.00; 1 oz., \$3.50.

ANNUAL POPPIES

Shirley Finest Single Mixed.

Prices above: Tr. pkt., 20c; $\frac{1}{4}$ oz., 50c; oz., \$1.25.

POPPY, ICELAND (Nudicaule)

Sanford's Giant Strain. Immense flowers on stiff strong stems, very varied range of colors. Tr. pkt., 35c; $\frac{1}{8}$ oz., 60c; $\frac{1}{4}$ oz., \$1.00; oz., \$3.50.

PLATYCODON (Balloon Flower)

Bell-shaped flowers on graceful stems from June to September. 2 ft.

Grandiflorum. Large steel-blue flowers. Tr. pkt., 40c; $\frac{1}{8}$ oz., 90c; $\frac{1}{4}$ oz., \$1.50.

PORTULACA - Moss Rose

A very excellent plant for dwarf bedding or border. Very excellent easily grown outdoor bedding plant. Will flower 30 to 45 days from sowing in late spring or early summer.

	Tr. pkt.	$\frac{1}{4}$ oz.	Oz.
Grandiflora Double Mixed	\$0.35	\$1.00	\$3.50
Grandiflora Single Mixed	.25	.65	2.25



PRIMULA Obconica

A sowing in late January or February will make choice pot plants for Christmas. For better germination put Primula seed in a refrigerator for a week or ten days.

	Tr. pkt.
Fasbender's Red. Extra large deep crimson	\$1.25
Rose Queen. Giant-flowered bright rose-pink	1.25
1/64 oz.,	\$2.25.

POLYANTHUS PRIMULA (Pacific Strain)

Perennial

Pacific Giants. Clearer colors, larger flowers, and longer stems of these fine varieties make them a distinct improvement. For pot plants and bedding.

Pink Shades

Rose Shades

Scarlet Shades

White Shades

Pacific Giants Mixture. Wide color range.

Prices above 5, each; 1/64 oz., \$4.00; 1/16 oz., \$12.00.

PRIMULA Malacoides

Sow seed in May or June in light sandy soil for fine plants for St. Valentine's Day and spring sales. Light, air and low temperature are the main things to check carefully. Do not let the plants get too dry between waterings.

Mrs. Eriksson of Riverside. Flowers of deep rose-red. **Lavender.** Bright orchid-lavender.

White Giant. Fine pure white.

Malacoides Special Mixed. Well balanced colors.

Prices of above: Tr. pkt., \$1.25; 4 pkts., \$4.25.

PYRETHRUM

(Perennial)

One of the really good hardy perennials, valuable alike for cutting or planting in the hardy border.

Robinson's Giant Hybrid Red. Giant-flowered dark red.

Robinson's Single Roseum. Rose. Single pink flowers.

Robinson's Single Giant Hybrids. Large single mixture.

Prices above 3, each: Tr. pkt., 50c; $\frac{1}{4}$ oz., \$1.50; oz., \$4.75.

RICINUS (Castor Bean)

Very fast growing, tall, large-leaved plants. Good for tall hedges and windbreaks.

Zanzibariensis Mixed. Foliage all green. Oz., 35c; 4 ozs., \$1.25; lb., \$4.00.

RUDBECKIA (Coneflower) Annual

A very free flowering bedding plant. Valuable for cutting.

Gloriosa Daisies. 3 ft. This tetraploid Rudbeckia produces large, single flowers up to 6 inches across in shades of yellow and mahogany-red. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.50; 1 oz., \$5.00.

Gloriosa Double Daisies. 3 ft. Golden yellow blooms up to 4 inches across. Flower double and ball-shaped; others are a bit looser with dark centers, while a few are semi-double with brown eyes.

Tr. pkt., \$1.00; 1/16 oz., \$1.50; 1/8 oz., \$2.50; 1/4 oz., \$4.50.

Starlight. 2 1/2 ft. An attractive mixture of yellow, orange and brown shades from nearly single to fully double.

Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

RUDBECKIA (Perennial)

Purpurea. 4 ft. Reddish purple flowers. Tr. pkt., 35c; 1/4 oz., \$1.00; oz., \$3.50.

SAPONARIA

Pink Beauty. Trailing Rose; hardy rock plant. Tr. pkt., 35c; 1/4 oz., \$1.00; oz., \$3.50.

SALPIGLOSSIS

Some very attractive colors for summer cutting

Emperor. Extra choice large flowering mixture. Tr. pkt., 25c; 1/4 oz., 50c; oz., \$1.75.

SALVIA SPLENDENS

7000 seeds per oz.

One of the most brilliant bedding plants. Popular for bedding and garden planting, there is always a good call for Salvia. Blooms early summer to frost. Sow seed in flats and give bottom heat, as this helps germination.

America or Globe of Fire. Compact rounded bushes averaging 16 in. in height, blooms early and continuously. Tr. pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$1.50; 1/2 oz., \$2.75; oz., \$5.00; 4 ozs., \$18.00.

Blaze of Fire. Dwarf and early, this variety is suitable for pots but also has plenty of vigor for planting outdoors. A nice item for low borders averaging 12 to 15 in. in height. Tr. pkt., 75c; 1/8 oz., \$1.25; 1/4 oz., \$2.00; 1/2 oz., \$3.75; oz., \$7.00; 4 ozs., \$24.00.

Clara Bedman (Bonfire.) Grows about 20 to 24 in. high. Our strain is very compact, being covered with masses of deep scarlet blooms. Tr. pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$1.50; oz., \$5.00; 4 ozs., \$18.00.

Harbinger (Firebrand.) Early scarlet of compact, upright growth, with extremely long flower spikes. 18 in. Tr. pkg., 50c; 1/8 oz., \$1.00; 1/4 oz., \$1.75; 1/2 oz., \$3.25; oz., \$6.00.

Pink Rouge. A new bright pink Salvia same habit as St. Johns' Fire except the color is pink. Height 12-14". Tr. pkt., 75c; 1/8 oz., \$1.50; 1/4 oz., \$2.50; 1 oz., \$9.00.

Scarlet Pygmy. 8 inches high. A dwarf early type developed primarily for pots as it flowers only a few weeks after seeds are sown. Tr. pkt., 45c; 1/8 oz., \$1.35; 1/4 oz., \$2.50; 1/2 oz., \$4.50; oz., \$8.50.

St. John's Fire. A very dwarf early type developed primarily for pots. Grows about 12 inches high. Tr. pkt., 75c; 1/8 oz., \$1.35; 1/4 oz., \$2.50; 1/2 oz., \$4.50; oz., \$8.50; 4 ozs., \$28.00.

BLUE SALVIA (Farinacea)

Blue Bedder. July 1. Medium lavender-blue in color and grows about 3 ft. tall with long stems for cutting. Tr. pkt., 50c; 1/4 oz., \$1.50; oz., \$4.50.

SCABIOSA (Mourning Bride)

Choice long-stemmed annuals for summer cutting. Giant Hybrids Mixed. Tr. pkt., 35c; 1/4 oz., 75c; oz., \$2.50.

SCHIZANTHUS (Butterfly Flower)

Giant Flowering Hybrids. Select large flowered. A choice strain with very large flowers in an excellent blend of colors. A splendid cut-flower item. Tr. pkt., 40c; 1/8 oz., \$1.00; 1/4 oz., \$1.50.

Compactus, Mixed. The plants grow dwarf and compact, making them most suitable for pot culture. Tr. pkt., 40c; 1/8 oz., \$1.00; 1/4 oz., \$1.50.



Salvia Splendens

SHAMROCK

True Irish. For effective plants on March 17 seed is sown between Christmas and New Years.

Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

STATICE, PERENNIAL

Dumosa. Dense clusters of pure silver-gray blooms; 30 inches. Tr. pkt., 40c; 1/4 oz., 75c; oz., \$2.50.

STATICE SINUATA

Valuable for cutting or decoration.

Hybrid Mixture. A mixture of colors. Tr. pkt., 25c; 1/2 oz., 60c; oz., \$1.00; 4 ozs., \$3.50.

SOLANUM - CHRISTMAS CHERRY

Sow in February, summer plants outdoors, lift and pot in September for Christmas pot plants.



Ball Christmas Cherry (Hlavacek's Masterpiece). A uniform, bushy strain. Large, round, red fruit is very freely produced. Tr. pkt., 50c; 1/4 oz., \$1.25; oz., \$4.50.

Ball Christmas Pepper. Compact plants with a profusion of cone-shaped fruit that is first green, later turning purple and then red. Tr. pkt., 75c; 1/4 oz., \$1.50; oz., \$5.50.

SNAPDRAGONS

SNAPS for Greenhouse Forcing

Snapdragon seeds should germinate in about seven days from the time they are sown. Maintain a constant temperature of 65 to 75° F. and keep the medium uniformly moist especially the top one-half in the flat.

Use neutral peat which has been shredded and screened, or any other loose, porous mixture for your propagating medium. For surest results, the mixture should be steam sterilized in the flats before sowing the seeds.

WHITE

Albion—(Winter Hybrid)

A paper-white with long tapering spikes and graceful tip clean growth, uniform long spikes.

Apollo. (Late Fall, Mid-Winter, Late Spring). An ivory white, well-known for its vigor. Hard clean and upright floret.

Citation. (Mid-Winter). Large ruffled ivory white. Compact spacing, long spike.

#2 Crystal White (Summer Inbred). A long period of selection on Rockwood's Crystal White has resulted in a taller more uniform strain. It follows White Skies by 5-10 days and is completely shatterproof. Recommended for June thru September in the greenhouse or cloth house.

Delaware. (Spring and Fall). An ivory white that retains the valuable traits of Citation with larger floret, heavier stems and very long spike. Highly shatterproof.

Margaret. (Early Spring). Inbred. Ivory white. Exceptionally stiff stem, almost no side growth. Medium sized floret.

Ohio. (Winter Hybrid). Pure paper white. Florets are compactly spaced and shatterproof.

Rockwood's Crystal White. (Summer). An excellent pure white. For late spring and summer only.

Sierra. (Midwinter white). Fine pure white. Produces good spikes under mid-winter conditions. Long stems. Form excellent.

Snowman. (Winter and spring). Excellent pure white. The most widely grown. Pure white for early spring.

Spartan White. (Mid-Winter, Early and Late Spring). Pure white, shatter resistant.

Texas. (Summer Hybrid). A paper-white summer hybrid for June through September flowering the superiority of Texas over all other summer whites. Spikes of Texas average 3 to 6 more florets open than White Skies.

Twenty Grand. (Late Winter and Early Spring). The whitest ivory grown. Long, graceful, tapering spikes with ruffled upright, compact florets. Tall and vigorous.

Virginia. (Spring and Fall). A vigorous paper white. Long spikes, hard, clean stem with good large florets.

White Knight—(Winter Hybrid) Pure paper-white. Combine earliness, vigor, purity of color and long spikes to excellent advantage.

White Skies—(Summer Hybrid)

A highly shatterproof paper white. Presently considered the most important summer white. Best described as a summer White Knight which performs well in greenhouse or cloth house.

LAVENDER

Arizona. (Summer). Resembles Lavender Lady in color (deep rosy lavender). Spikes are long and gracefully tapered. Large florets, long spikes.

Lavender Lady. (Early Spring). Deep rosy lavender, excellent spike and stem.

BRONZE

Barbara. (Early Spring). Large florets with bright bronze lip and pink throat. Vigorous grower, long spike.

Cavalcade. (Mid-Winter). Lively golden bronze that has few equals for uniform production of long tapered spikes.

Gallant Fox. (Winter Hybrid). Deep orange bronze, strong vigorous grower; compact floret placement.

Kansas. (Spring and Fall Hybrids). Brilliant golden bronze resembling Cavalcade. A vigorous variety with strong stem and long spikes. Large florets.

LIGHT and MEDIUM PINK

Christina. (Early Spring). Light rose pink, large florets. Vigorous grower, almost no side growth.

Florida. (Summer). Vigorous light pink flowering with Gay Time. A Christina color that is smooth and glistening. Displays superb color retention under high temperatures and is highly shatterproof.

Hercules. (Midseason 21). Light pink, extra hard stem. Close-set florets, graceful spike.

Kentucky. (Late Spring and Fall). A glorious apple-blossom pink.

Nashua. (Mid-Winter). Light rose pink, large ruffled florets compactly borne on hard clean stems.

Native Dancer. (Late Fall, Mid-Winter). Light rose pink. Extreme vigor, exceptionally long spikes.

New York—(Late Winter-Late Fall Hybrid) Spikes of New York are large and compact. The color is a clear pink, lighter than Wintergreen with a minimum of yellow on the lower lip.

Pink Ice. (Late Fall, Mid-Winter, Early Spring). Medium rose with lighter lip.

Rebecca. (Mid-Winter, Early Spring). Soft rose pink. Almost no side growth, large florets closely set.

Rosebud. (Winter and Early Spring). Large ruffled florets of soft pastel pink on long, compact spikes.

Wintergreen. (Winter and Early Spring). A light rose-pink for winter and early spring.



PRICES—ALL ABOVE VARIETIES ON THIS PAGE.

One-half Trade Packet—1000 Seeds \$2.25

Trade Packet—2000 Seeds \$4.00

SNAPDRAGONS

SNAPS for Greenhouse Forcing

ROSE

Gay Time. (Early and Mid-Summer). Rose-pink of good vigor with hard stem and long spike. Very uniform.

Libby. (Mid-Winter). Dark rose pink with very strong stem and vigorous growth. Good sized florets on long spikes.

New Times. (Mid-Winter). Bright deep Beauty-rose, medium long spike, fine strong stem.

Summer Jewel. (Early and Mid-Summer, Early Fall). Rich deep pink. Vigorous, uniform grower, stems of great strength.

Wisconsin. (Winter and Early Spring). Intense dark pink with a depth and color tone resembling the rose Better Times.

RED

Cherokee. (Late Fall, Mid-Winter). True "Christmas" scarlet-red. Long, well formed spikes, sturdy stems.

Man-O-War. (Late Fall, Mid-Winter, Early Spring). Copper-red shade with yellow lip. Clean grower, good flower placement.

Navajo. (Early Spring). A bright true red.

Priscilla Ann. (Early Spring). Velvety crimson.

Tennessee. (Spring-Summer hybrid). A real deep red, best suited to the fall when color is in demand. Quite shatterproof with good floret.

YELLOW

Broker's Tip. (Early and Late Spring). Deep yellow, medium sized florets, little or no side growth.

Colorado. (Spring and Fall). A large flowered yellow hybrid; very uniform and vigorous.

Dark Star. (Early Summer, Mid-Summer, Early Fall). Clear deep yellow. Shows resistance to high temperature burn.

Doubleloon. (Winter and Early Spring). Rich deep "treasure-gold" color. A true mid-winter blooming.

Golden Spike. (Late Spring). Rich golden yellow. Long stems, tapered flower spike.

Nevada. (Late Spring and Fall). An intense yellow hybrid with a huge floret on vigorous long spikes.

Patricia. (Late Spring). Medium sized florets of rich yellow with full deep yellow lower lip. Long spike.

Swaps. (Late Fall, Mid-Winter). Large showy yellow florets, clean hard stems. Earlier than War Admiral.

Vermont. Primrose or pastel yellow. Blends well with other colors for retail work.

War Admiral. (Mid-Winter). Medium Yellow. Outstanding in vigor, uniformity and spike formation.

MIXTURES

Hybrid Formula Mixture. Well balanced blend of Hybrid Snaps.

PRICES ALL ABOVE VARIETIES ON THIS PAGE

One-half Trade Packet—1000 Seeds ...\$2.25

Trade Packet—2000 Seeds ...\$4.00

YODER BROTHERS, Timetable For "YEAR ROUND" SNAPDRAGON FLOWERING

The dividing line between both areas generally follows the 38° parallel just a little south of the Mason-Dixon line.

NORTHERN GROWERS

SOUTHERN GROWERS

FLOWERING GROUP VARIETIES & COLORS	SOW DATE	BENCH DATE	FLOWERING DATE	SOW DATE	BENCH DATE	FLOWERING DATE
WINTER FLOWERING						
WHITE — Citation, Ohio, White Knight, Albion. PINK — Winter-green, Wisconsin, Nashua, Rosebud. YELLOW — Swaps, War Admiral. BRONZE —Cavalcade, Gallant Fox.	Aug. 8 Aug. 14 Aug. 17 Aug. 24 Aug. 31 Sept. 8 Sept. 18	Aug. 29 Sept. 4 Sept. 7 Sept. 14 Sept. 22 Oct. 3 Oct. 16	Dec. 15 Jan. 1 Jan. 15 Feb. 1 Feb. 15 Mar. 1 Mar. 15	Aug. 21 Aug. 24 Aug. 31 Sept. 7 Sept. 15 Sept. 19	Sept. 11 Sept. 14 Sept. 21 Sept. 30 Oct. 10 Oct. 16	Jan. 2 Jan. 15 Feb. 1 Feb. 15 Mar. 1 Mar. 8
LATE WINTER FLOWERING						
WHITE — Twenty Grand, Apollo. PINK —New York, Native Dancer. YELLOW —Broker's Tip, Nevada.	Oct. 4 Oct. 23 Nov. 20 Nov. 30	Nov. 1 Nov. 20 Dec. 18 Dec. 28	Apr. 1 Apr. 15 May 1 May 7	Sept. 25 Oct. 11 Oct. 30 Nov. 13	Oct. 23 Nov. 8 Nov. 27 Dec. 11	Mar. 15 Apr. 1 Apr. 15 Apr. 23
SPRING FLOWERING						
WHITE — Virginia, Delaware. PINK — Kentucky. YELLOW — Colorado. BRONZE —Kansas. RED —Tennessee.	Dec. 15 Jan. 12 Feb. 15 Mar. 6	Jan. 15 Feb. 9 Mar. 12 Mar. 30	May 15 June 1 June 15 June 22	Nov. 27 Dec. 24 Jan. 19 Feb. 1	Dec. 25 Jan. 23 Feb. 16 Mar. 2	May 1 May 15 June 1 June 7
SUMMER FLOWERING						
WHITE — Texas, White Skies, #2 Crystal White. PINK —Florida, Gay Time, Summer Jewel. YELLOW — Dark Star. LAVENDER —Arizona.	Mar. 21 Apr. 11 May 2 May 16 June 7 June 13	Apr. 13 May 2 May 23 June 6 June 28 July 4	July 1 July 15 Aug. 1 Aug. 15 Sept. 1 Sept. 7	Feb. 22 Mar. 28 Apr. 18 May 9 May 23 June 14 June 27	Mar. 19 Apr. 20 May 9 May 30 June 13 July 5 July 18	June 15 July 1 July 15 Aug. 1 Aug. 15 Sept. 1 Sept. 15
FALL FLOWERING						
WHITE — Virginia, Delaware. PINK — Kentucky. YELLOW — Colorado. BRONZE —Kansas. RED —Tennessee.	June 20 July 2 July 10 July 16	July 11 July 23 July 31 Aug. 6	Sept. 15 Oct. 1 Oct. 15 Oct. 23	July 9 July 17 July 27 July 30	July 30 Aug. 7 Aug. 17 Aug. 20	Oct. 1 Oct. 15 Nov. 1 Nov. 7
LATE FALL FLOWERING						
WHITE — Twenty Grand, Apollo. PINK —Native Dancer. YELLOW — Broker's Tip, Nevada.	July 20 July 27 Aug. 3 Aug. 6	Aug. 10 Aug. 17 Aug. 24 Aug. 27	Nov. 1 Nov. 15 Dec. 1 Dec. 7	Aug. 3 Aug. 10 Aug. 15 Aug. 17	Aug. 24 Aug. 31 Sept. 5 Sept. 7	Nov. 15 Dec. 1 Dec. 15 Dec. 22

SNAPDRAGON OUTDOOR GARDEN VARIETIES FOR SPRING PLANT SALES

SNAPDRAGONS F₁ HYBRID ROCKET

Vita-Seal Packed

The Rocket Series are the first F₁ Hybrid Snapdragons purposely bred for garden use and hot weather tolerance. Long spikes with evenly spaced florets.

Rocket Bronze	Rocket Rose
Rocket Orchid	Rocket Pink
Rocket Yellow	Rocket Red
Rocket White	Rocket Mixture

Mixed Pkt., 500 seeds, \$1.25; Tr. pkt., 1,500, \$2.50; 1/64 oz., \$5.00; 1/32 oz., \$9.00; 1/16 oz., \$16.00.

SNAPDRAGON

The F₁ hybrid Sprite Snapdragons have compact, bushy plants and many base branches.

United Sprites. Formula blend of all the Sprite series united in a glorious, long-blooming chorus of lovely colors. Tr. pkt., 1,500 seeds, \$1.50.

SNAPDRAGON

Mardi Gras. An F₂ Hybrid mixture, is extremely vigorous and quite uniform. Florets are closely placed on long-blooming stems. Tr. pkt., 40c; 1/8 oz., 70c; 1/4 oz., \$1.25; 1 oz., \$4.25.



SNAPDRAGON, SUPER MAJESTIC

Rust-Resistant. 20 in.

HALF DWARF class of base branching plants with heavy compact spikes of large blooms.

Super Majestic, Mixed. Tr. pkt., 35c; 1/8 oz., 70c; 1/4 oz., \$1.25; 1 oz., \$4.25.

MAXIMUM or SUPER GIANTS

Rust-Resistant. 2 3/4 feet.

In habit these are taller than the Majestic group and the individual flowers are much larger.

The Long-Stemmed Type for Cutting

Alaska. White.

Campfire. Luminous scarlet.

Copper Queen. A real true copper-scarlet.

Padre. Majus, glossy deep crimson, dark stems.

Paradise Rose. Maximum, an alive light pink.

Rosalie. A rich deep rose.

Yellow Giant. Deep yellow.

Maximum Mixed.

Prices on the above varieties:

Tr. pkt., 35c; 1/8 oz., 70c; 1/4 oz., \$1.25; 1 oz., \$3.50.

F₁ HYBRID "PANORAMA" SNAPS

Panorama Mixed are produced from F₁ Hybrid parents and represent the F₂ or second generation.

Tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.75; 1 oz., \$8.00.

STOCKS

NON-BRANCHING COLUMN

16,000 S. The most important points in growing good greenhouse Stocks are: plant only in steam-sterilized or fresh soil to avoid root rot; grow them cool—not over 50° nights. A spacing of 3x6 inches is ample for good quality.

PINK, ROSE and RED

American Beauty. Rich deep American Beauty or carmine-rose.

Ball's Rose Improved. An early flowering, fairly deep rose-pink.

No. 22 Ball Supreme. A long-stemmed, vigorous growing variety with fine, heavy spikes of rich silvery rose.

Chamois-Pink. A warm rosy buff color. Good stems and flower spikes.

Pacific Pink. New distinct color break. First pure true pink Stock.

Rose-Pink. Popular clear rose.

Ruby Improved. Brilliant scarlet-crimson.

LAVENDER and PURPLE

Lilac-Lavender. Clear lavender. Early blooming, slightly deep selection. Good stems with long flower spikes.

Ball's Purple (Purple Heart). Long-stemmed and large-flowered, bright violet-purple. Early blooming.

WHITE and YELLOW

No. 16 Ball White—Medium Tall. This early pure white is the most popular variety on our entire list.

White Goddess. A pure white with large, well spaced florets. Early, excellent.

Pacific Yellow. A fine early canary-yellow with sturdy stems.

Exquisite Mixed. A well balanced blend.

Prices all above Non-Branching Stocks, each: Tr. pkt., \$1.00; 1/4 oz., \$2.25; 1/2 oz., \$4.00; 1 oz., \$7.50.

BISMARCK - STOCK DOUBLE EARLY GIANT IMPERIAL (Improved)

Of branching habit, large flowers and long stems. Height 2 1/2 feet. If planted closely they make one spike of large double flowers with few lateral branches. For both inside and outside planting.

Chamois. Ivory tinted rose.

Elk's Pride. Rich purple.

Flesh. Delicate pink.

Fiery Blood-Red.

Lilac. Lilac-lavender.

Rose. Deep rose-pink.

Santa Maria. Giant white.

Choice Mixed.

Any of the above varieties:

Tr. pkt., 35c; 1/4 oz., 60c; oz., \$2.00.

TEN-WEEKS STOCKS LARGE FLOWERING DOUBLE DWARF

Dwarf, compact, branching, fine for bedding, or pot plants. Height 12 inches. Blooming in about ten weeks.

Dwarf Mixture. A well balanced mixture. Tr. pkt., 35c; 1/4 oz., 60c; oz., \$2.00.



STOCKS Ten Weeks



Stocks, Non Branching Column

SWEET PEAS

EARLY MULTIFLORA GIGANTEA

A free-flowering class of Sweet Pea more vigorous than Early Spencer. Multifloras produce longer and stronger stems, larger florets and more of them. They produce an average of 5 and 6 flowers per stem.

Diana, light rose pink
Eleanor, mid-blue
Gloria, deep rose pink
Grace, clear lavender
Lily, white, white seeded
Marilyn, scarlet cerise
Minnie, navy blue
Miranda, deep crimson
Susie, light salmon pink
Multifloras Mixed.

Prices above each: ½ oz., 60c; 1 oz., \$1.00; 4 ozs., \$3.50; 1 lb., \$12.00.

CUTHBERTSON FLORIBUNDA SWEET PEAS

Spring Flowering

This is an intermediate flowering group and best for late spring bloom where some heat resistance is required, and large flowered.

Daisy. Black seeded white.
Carol. Rose-pink.
Evelyn. Light pink.
Frank G. Lavender.
Jennie. White.
Jimmy. Bright scarlet.
Lois. Rose-pink.
Tommy. Mauve-blue.

Mixture all Colors.

Prices all above: 1 oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50.

SWEET WILLIAM

DIANTHUS BARBATUS (Perennial)

Barbatus (Sweet William). Early June flowering. Perfectly hardy, flowering second season from seed. There is always a good demand for these beautiful, single, free-flowering, old-fashioned favorites.

Dark Crimson
Holborn Glory
Newport Pink
Scarlet Beauty
White
Single Choice Mixed

Double Choice Mixed

Prices above, each: Tr. pkt., 30c; ¼ oz., 75c; oz., \$2.50.

SWEET WILLIAM—DWARF, COMPACT

A counterpart in miniature of the regular tall types. 4 to 6 inches. Very fine, neat Alpine rock plant. Dwarf Alpine Compact Mixed. Tr. pkt., 50c; ¼ oz., \$1.20; oz., \$4.00.

THUNBERGIA - Black-Eyed Susan

A climbing vine which forms a dense mat of foliage covered with bright colored flowers with showy black centers. Excellent for ground cover, hanging baskets or window boxes. Tr. pkt., 30c; ¼ oz., 50c; oz., \$1.75.

TORENIA

Fournieri. Excellent pot or bedding plant producing attractive blue flowers with violet blotches. Tr. pkt., 40c; ⅛ oz., \$1.25; ¼ oz., \$2.25.

TITHONIA - 4 feet

Torch. Torch is easy; it grows as easily as a Zinnia—thrives on hot weather. It is orange-red; blooms from August until frost. Tr. pkt., 35c; ⅛ oz., 75c; ¼ oz., \$1.25.

TRITOMA - Red Hot Poker

Tr. pkt. ¼ oz.

Hybrida Mirabilis. Blooms first year . . . \$0.35 \$0.75

VERONICA (Speedwell)

(Perennial)

Shirley Blue. Fine for bouquets. Tr. pkt., 30c; ¼ oz., 75c.

EARLY WINTER FLOWERING SPENCER

These are all exceptionally large-flowered. Sow from mid July through November.

American Beauty. Crimson-rose.
Ball Orange Improved. Clear orange.
Daphne. Soft salmon-pink.
Hope. Black-seeded white.
Mrs. H. S. Reddick. Salmon.
Shirley Temple. Rose-pink.
Triumph. Lilac-mauve.
White. White seeded.
Early Flowering Mixed.

Prices all above: 1 oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00.



SWEET WILLIAM



VERBENA

VERBENA Hybrida Grandiflora

A magnificent strain of robust, compact habit and free blooming. One of the most colorful and showy plants for bedding, window boxes or combinations. Pinch them early to avoid straggly growth.

Beauty of Oxford Hybrid. Beautiful rose-pink.
Defiance. Scarlet-red with small white eye.
Lavender Glory. Variable in color. Blue with white eye.
Sutton's Blue. Large flowered deep royal blue.
Grandiflora Mixed.

Prices of above varieties:

Tr. pkt., 40c; ¼ oz., \$1.00; oz., \$3.00.

Verbena Bush Type

Dense flower heads are closely massed across the flat-topped plants. Grow 8 to 10 inches high.

Firelight. New vivid solid red.
Roselight. New bright rose, white eye.
Salmon Queen. New brilliant salmon-pink.
Snow-White. New snowy white.
Starlight. New brilliant blue, cream eye.
Bush Type Blend. Mixed.

Prices of Above Varieties:

Tr. pkt., 40c; ¼ oz., \$1.00; oz., \$3.00.

VINCA ROSEA (Periwinkle)

This seed should be sown early to secure salable plants for spring.

	Tr. pkt.	¼ oz.	Oz.
Rosea Alba. White, rose center . . .	\$0.25	\$0.60	\$2.00
Alba Pura. Pure white	.25	.60	2.00
Rosea. Pink	.25	.60	2.00
Mixed	.25	.60	2.00

VINCA (Dwarf)

Little Pinkie. The first dwarf Vinca, growing about 10 to 12 inches tall, rose-pink. Tr. pkt., 35c; ⅛ oz., 75c; ¼ oz., \$1.25; oz., \$4.00.

VIOLA (Tufted Pansy)

Miniature Pansies. Extra free-flowering and effectively used for bedding. Perfectly hardy.

Arkwright Ruby. Ruby-crimson shading to terra cotta.

Blue Perfection. Medium clear blue.

Chantreyland. Best pure apricot.

Lutea Splendens. Sulphur-yellow.

White Perfection. Pure white.

Choice Mixed Colors.

Each of the above 6 varieties: Tr. pkt., 50c;
 $\frac{1}{8}$ oz., \$1.25; $\frac{1}{4}$ oz., \$2.00; oz., \$6.50.

FLORISTS' ZINNIAS**Bodger's "Gold Medal" Zinnias**

Vita-Seal Packed

By sowing outdoors in May and as late as August 1st, in well enriched soil and protected with water, they can be had in fine shape right up to frost.

NEW ZINNIAS—Thumbelina**All-America Gold Medal Winner**

Zinnia Thumbelina. A.A.S. Gold Medal 1963. Flowers in flats about 60 days after transplanting when plants are only 3 to 4 inches high! These compact, super dwarf plants are covered with $1\frac{1}{4}$ inch flowers throughout the season in a colorful mixture of orange, scarlet, pink, yellow and white. Many more seeds per ounce (6000) than other Zinnias! Tr. pkt., 75c; $\frac{1}{16}$ oz., \$1.50; $\frac{1}{8}$ oz., \$2.50; $\frac{1}{4}$ oz., \$4.50; 1 oz., \$15.00.

ZINNIAS**Giant Double Dahlia-Flowered**

The plants are of medium height, $2\frac{1}{2}$ to 3 ft., very robust, bearing many strong stems of the fully double, huge flowers which resemble the show type of Dahlia.

Canary Bird. Rich canary-yellow.

Crimson Monarch. Deep crimson, flowers very large.

Dream. Deep rosy lavender.

Exquisite. Light rose, deep rose center.

Golden Dawn. Golden yellow.

Illumination. Deep rose self.

Luminosa. Bright deep pink.

Oriole. Orange and gold bicolor.

Polar Bear. Large creamy white.

Royal Purple. Deep rich purple.

Scarlet Flame. Bright scarlet.

Will Rogers. Loveliest, most brilliant scarlet-red.

Gold Medal Finest Mixed.

Prices of Above Varieties:

Tr. pkt., 30c; $\frac{1}{4}$ oz., 40c; 1 oz., \$1.25; 4 ozs., \$4.00;
 1 lb., \$12.00.

ZINNIAS—Miscellaneous Varieties

Gracillima (Red Riding Hood). Freely produces large numbers of small, bright crimson flowers. Fine for bedding. Tr. pkt., 25c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.50.

Linearis. A heat-resistant, free-blooming subject for edging and rock garden work. Compact (6-8 in.), early flowering, with single, bright orange flowers. Tr. pkt., 40c; $\frac{1}{4}$ oz., \$1.25; 1 oz., \$4.50.

Peppermint Stick. Medium-sized Pumila type flowers on tall, robust plants. Striped flowers in bright, mixed colors. Tr. pkt., 35c; $\frac{1}{4}$ oz., 65c; 1 oz., \$2.25.



Giant Double Dahlia-Flowered

ZINNIAS—Double Lilliput—2 ft.

The Lilliputs are among the most popular Zinnias for cut-flower use. The flowers are small, compact.

Canary Gem. Canary-yellow.

Golden Gem.

Lilac Gem.

Rosebud. Rose-pink.

Salmon Gem.

Scarlet Gem.

White Gem.

Lilliput. Pastel Mixture.

Prices of Above Varieties:

Tr. pkt., 30c; $\frac{1}{4}$ oz., 40c; oz., \$1.25; $\frac{1}{4}$ lb., \$4.00.

Elegans Pumila Dwarf Double (Cut-and-Come-Again)

A most desirable type for bedding as well as cut flowers. Flowers about $2\frac{1}{2}$ inches across are freely produced on long stems. 24 inches.

Canary-Yellow.

Crimson.

Pinkie. Rose-pink.

Elegans. Finest mixed.

Salmon-Rose.

Scarlet. Bright scarlet.

Snowball. White.

Tr. pkt., 30c; $\frac{1}{4}$ oz., 50c; oz., \$1.50; $\frac{1}{4}$ lb., \$5.00.

ZINNIAS—Giant Cactus-Flowered

2 to 3 ft. This class, with its large informally curled and ruffled petals is rapidly increasing in popularity each year.

Burpee Hybrids, varied mixture of cactus or chrysanthemum flowered type with mainly pastel colors. Tr. pkt., 30c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.50; 4 ozs., \$5.00.

Blaze. Mandarin-red flowers which soften to scarlet-orange. Tr. pkt., 35c; $\frac{1}{4}$ oz., 65c; oz., \$2.00.

Cherry Time. Beautiful new variety in shades of cherry, cerise, and spiraea red. Tr. pkt., 35c; $\frac{1}{4}$ oz., 65c; oz., \$2.00.

Dark Jewels. An entirely different type of cactus flowered mixed Zinnia. A profusion of rich dark colors that predominate in the garden. Tr. pkt., 50c; $\frac{1}{4}$ oz., 65c; oz., \$2.00.

Lilac Time. Shades of rich, rosy lilac, a new color treat in the cactus class. Tr. pkt., 35c; $\frac{1}{4}$ oz., 65c; oz., \$2.00.

Snow Time. This is the nearest to white of any cactus flowered zinnia. Tr. pkt., 35c; $\frac{1}{4}$ oz., 65c; oz., \$2.00.

SUMMER FLOWERING BULBS

Bulbs wanted by parcel post, add postage at zone rate.

AMARYLLIS

(Large Flowering Hybrids)

These bulbs will make handsome pot plants for window display during the spring. Light and red shades. Mixed.

Select Bulbs. 3 inch

Per Doz. Per 100
\$6.50 \$48.00



Begonias—Tuberous Rooted

BEGONIAS—Tuberous Rooted

Bulbs ready January to April.

Culture: The Begonia prefers partial shade and not too warm a place where they will give best results especially in wet summers. For cultivation in green-houses, shade is necessary. Forcing can be started in February, March or April, depending on the time they should be in flower. The bulbs are placed in 4-in. pots. Easy culture a favorite with the public in gardens and homes.

BEGONIAS—California Grown DOUBLE CAMELLIA TYPE

The largest and most popular of the double forms. Individual flowers 5 to 8 in. in diameter. Nice for corsages and other cut-flower purposes.

Cardinal-red, rose, pink, orange, salmon, yellow, white, mixed.

Large bulbs, 2 in. diam. Doz., \$3.50; Per 100, \$20.00.



Gloxinias



Caladium, Fancy-Leaved

CALADIUM - Fancy-Leaved

Bulbs ready January to April.

Choice dormant bulbs for February and March delivery. Our mixture of named sorts is probably the best to be had.

Fine assortment of highly colored, separate named varieties: Per Doz. Per 100

No. 1, 1½ to 2 inches\$3.50 \$17.50

CANNAS

Large Flowering Dormant Roots Ready for February

Our Canna roots are strong and healthy. The varieties listed below have proven indispensable.

City of Portland. Deep pink. Green foliage. 3½ feet. Extra good flowers.

Red King Humbert. Scarlet flowers; bronze leaves.

Rosemond Cole. A beautiful crimson with yellow edge. Height 3½ feet; green foliage.

Yellow King Humbert. 4 feet. Flower is a deep rich yellow, softly spotted and blotched with bright red. Some plants occasionally give a scarlet or scarlet striped flower.

The President. 4 feet. This immense flaming scarlet is extremely popular. Double flowering, rich red clusters. Heavy green foliage.

Prices—All above Cannas: Per 100, \$7.00;

Packed 250 to case.....per 1000, \$60.00.

GLOXINIAS—California Grown

Bulbs ready January to March.

Culture: Same as T. R. Begonias. Gloxinias are fit companions for the tuberous rooted Begonias and the fancy leaved Caladiums. Their richly colored flowers are most outstanding. Gloxinias require a loose, porous soil. Should be kept shaded and watered very carefully, applying water only as needed. Keep the leaves dry. We offer these in selected colors:

Blanche De Meru. Pinkish rose, white throat.

Etoile De Feu. Scarlet.

Emperor Frederick. Scarlet, white border.

Emperor William. Deep blue, white edge.

Mont Blanc. Pure white.

Queen Wilhelmina. Pink, violet sheen.

Roi des Rouges. Dark Crimson.

Select Bulbs, 2-in. Up . . . Doz., \$4.00; 100 \$30.00

QUALITY GLADIOLUS BULBS

Gladiolus delivery can be made any time from January 15th to May 15th. Prices are subject to change. Bulbs furnished by us are produced in sandy loam.

Lavender and Purple Shades First Size No. 1		
Campanile. Extra fine lavender, beautiful ruffled point bloom. Excellent commercial	100 \$3.50	1000 \$30.00
King David. Outstanding tall bright purple. Superb cut flower	3.50	30.00
Pink and Salmon		
Friendship. Lovely ruffled true pink....	3.10	28.00
Innocence. Tall, light rose pink.....	3.50	30.00
Spic and Span. Tall ruffled deep pink, with salmon shading	3.10	28.00
Red and Rose		
Rose Charm. Tall very early rose.....	3.10	28.00
Sans Souci. Rich scarlet-red with a small deeper red feathering in the throat ..	3.10	28.00
Valeria. Very large, light scarlet.....	3.25	30.00
White		
Florence Nightingale. Outstanding white. Opens 8 well placed florets....	3.25	30.00
Lorelei. Tall, many open, cream.....	3.25	30.00
Snow Princess. Glistening white with a touch of cream in the throat.....	3.00	27.00
Yellow		
Golden Sunshine. The finest deep yellow	3.50	32.00
Gene. Very early light yellow.....	3.10	28.00
Mixed		
Florist's Superfine. Choice varieties	3.00	26.00



5% DDT DUST

For the control of Gladiolus thrip and other sucking and leaf eating pests. Before planting Gladiolus bulbs, remove any loose husks, put bulbs in paper bag, add enough 5% DDT dust to completely coat the bulb surface. 1 lb., 69c; 5 lbs., \$2.00.

GARDEN AND LAWN FERTILIZER

A Necessity to All Growing Plants

The highest grade only. Guaranteed analysis. All f.o.b. St. Louis. Price subject to market change.

ADCO COMPOST MAKER

Make your own manure. Turn every bit of vegetable waste—leaves, weeds, cuttings, etc., from the garden, straw and cornstalks from the farm—into real manure without animals by the simple ADCO process. Instructions free. 5 lb. pkg., \$1.25; 20-lb. bag, \$3.00.

ALUMINUM SULPHATE

For making acid soil. Also used in benches that contain too much lime. 10 lbs., \$1.25; 100 lbs., \$5.50.

AMMONIUM NITRATE—32.5 % Nitrogen
80-lb. bag, \$4.80. Ton, \$90.00.

AGRICO FOR TURF WITH UREA-FORM 10-6-4

Agrico's new 10-6-4 formulation combines remarkable Urea-Form with Natural Organic Nitrogen for better and longer lasting results. On established lawns, apply at the rate of 10-15 lbs. per 1000 sq. ft. 50 lb. bag, \$4.50; 10 bags, \$4.00 bag.

ARMOUR'S VERTAGREEN 10-6-4

A concentrated fertilizer for lawns, trees, shrubs and ornamental plants. For garden or lawn use. 100 lbs., for 50x100 ft. 80-lb. bag, \$4.25; Ton \$81.00

ARMOUR'S 8-8-8

For turf, feeding field crops. 80 lbs., \$3.25. 10 bags @ \$2.90 bag.

ARMOUR'S 12-12-12

A well balanced plant food for commercial growers for feeding field crops and grassland pastures. 80-lb. bag, \$4.00; 10 Bags @ \$3.60 Bag.

RECOMMENDED APPLICATION OF COMMON FERTILIZER MATERIALS

Name of Material	Analysis: Nitrogen— Phosphorus— Potash	Rate of Application	
		Dry	Liquid
Ammonium Sulphate	20-0-0	1 lb. per 100 sq. ft.	1 oz. per 2 gal.
Nitrate of Soda	16-0-0	1 lb. per 100 sq. ft.	1 oz. per 2 gal.
Dried Blood	13-0-0	2 lbs. per 100 sq. ft.	Insoluble
Superphosphate	0-20-0	5 lbs. per 100 sq. ft.	Insoluble
Muriate of Potash	0-0-60	1 lb. per 100 sq. ft.	1 oz. per 2 gal.
Iron Sulphate	0-0-0	1 lb. per 100 sq. ft.	1 oz. per 2 gal.



ARMOUR VERTAGREEN 5-10-5

Contains 5% nitrogen, 10% phosphorus and 5% potash, the three major plant foods, in addition to several other elements essential to successful plant germination.

Consumer's price		Dealer's price	
5-lb. pkg., \$0.75.	12 5-lb. pkgs. to case, \$5.04		
25-lb. pkg., 1.90.	4 to bale	5.00	
50-lb. bag, 2.90		Per ton, \$78.00	
100-lb. bag, 5.30.		Per ton, \$73.60	

ATLAS FISH EMULSION

A 100% organic, water-soluble fertilizer derived from sea-going fish. Non-burning.

4 Oz.	24 \$ 5.62 Case	\$.39 each
1 Pint	12 7.80 Case	 1.00 each
1 Quart	12 14.82 Case	 1.90 each
1 Gallon	4 16.25 Case	 6.25 each
5-Gallon Drum	\$16.90 each	\$26.00 each

BIG CROP 4-12-4

A well balanced plant food for commercial growers for feeding and making potting soil. Use 5-inch pot for wheelbarrow of earth. For grain and Corn use 500 lbs. per acre, 80-lb. bag, \$2.75. 10 bags @ \$2.50 bag.

GARDEN AND LAWN FERTILIZER

A Necessity to All Growing Plants. All f.o.b. St. Louis. Prices subject to market change.

BONE MEAL 2-24-0

Best grade of steamed bone for general use. 2% nitrogen, 24% phosphoric acid. 100-lb. bag, \$7.50; 50-lb. bag, \$5.00; 25-lb. bag, \$2.95 each.

BORDEN'S 38 (38% Nitrogen)

Because of the constant release of nitrogen provided by Borden's 38, turf, ornamentals and flowers show luxuriant uniform growth. One application lasts all season. 25-lb. bag, \$5.85; 50-lb. bag, \$9.80.

CATTLE MANURE 2-1-2

This is a very high grade material, heat dried, and free from straw, being all pure cattle manure. 50-lb. bag, \$1.65; 10 bags \$1.50 bag.

CHELATED IRON—SEQUESTRENE

For combating iron chlorosis troubles on Azaleas, Gardenias, Hydrangeas and Roses and occasionally on other plants. 4 oz., \$1.19; 1 lb., \$2.98; 5 lbs., \$7.50.

COTTON SEED MEAL (25% Nitrogen)

An organic fertilizer containing nitrogen, phosphoric acid and potash. A valuable fertilizer for acid loving plants. Will tend to keep the soil acid and supply plant food in one application. Apply at the rate of 5 lbs. per 100 sq. ft. 10 lbs., \$1.50; 25 lbs., \$2.50; 100 lbs., \$6.50.

DRIED BLOOD (13% Nitrogen)

For indoor culture of flowering plants, Roses, Carnations, etc., its chief element being nitrogen. One of the quickest acting fertilizers. Price, 10 lbs., \$2.25; 25 lbs., \$5.00; 100 lbs., \$14.00.

GYPSUM

Gypsum mellows the soil and stimulates decomposition of organic material. Increased amount of plant food made available to succeeding crops. 100-lb. bag, \$2.50. 10 bags \$22.50.

HARDWOOD CHARCOAL

For mixing in soil in seed flats, cutting benches and pot plants. 50-lb. bag, \$5.50.

HORN MEAL (13% Nitrogen)

Best used for mixing potting soil; quick acting. 50-lb. bag, \$19.50.

IRON SULPHATE

(Copperas, also Ferrous Sulphate)

For acidifying the soil. Useful for developing and maintaining rich dark green foliage on Azaleas. Dissolve 4 ozs. in 5 gals. of water. 10 lbs., \$1.00; 100 lbs., \$4.50.

LIME, HYDRATED

For sweetening the soil. Used to neutralize acid soil on lawns and gardens. Use 50 lbs. for 20x100 ft. 10-lb. bag, 50c; 50 lbs., \$1.50.

LIMESTONE, PULVERIZED

Use to correct soil acidity. An aid in releasing "locked in" plant nutrients. 50-lb. bag, 75c.

MAGNESIUM SULPHATE (Epsom Salts)

10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$6.50.

MANGANESE SULPHATE

5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$3.00; 50 lbs., \$5.50.

MILORGANITE 5.5-4-0

A unique plant food, scientifically prepared, free from weed seed and all harmful organisms. For lawn and garden use 100 lbs. for 50x100 ft. 50-lb. bag, \$2.98; 40 - 50-lb. bags \$71.60.

MURIATE OF POTASH—Potassium Chloride

The chief use of Muriate of Potash (62% Potash) is the stimulation of root growth. 10 lbs., \$1.25; 80-lb. bag, \$4.80.

NITRATE OF SODA (16% Nitrogen)

16 per cent inorganic nitrogen, readily soluble and quickly available for side or top dressing. 10 lbs., \$1.20; 25 lbs., \$2.25; 100 lbs., \$6.00.

NATURE'S OWN MINERAL

New Growing Medium

PERMALITE — PERL-LOME — TERRA-LITE (VERMICULITE)

The soil conditioner that has been proved beneficial

Rooting Cuttings: If you do rooting from cuttings you'll be amazed how quickly they develop.

Starting Seeds: Perfect air-moisture control for speedy, dense root growth.

TERRA-LITE (VERMICULITE)

New Growing Medium

		Dealer Each	Consumer Each
4-qt. bag	12	\$2.94 bale	\$0.45
1/2-bu. bag	6	3.18 bale	.89
3 1/5 bu.		1.85	2.90

PERLOAM—(S-12) HORTICULTURAL PERLITE. Medium grade Perlite soil conditioner which is also used for propagation of cuttings and starting of seeds. 26 lb. Bag \$1.85

PERLOAM—(PLUS 8) HORTICULTURAL PERLITE. Coarse grade Perlite for cuttings and seed. 26 lb. Bag \$1.85



PEAT MOSS, (Michigan)

Adds organic matter and improves soil texture. It is excellent for mixing with the soil for potting plants and for top dressing lawns. 50-lb. bag, \$1.50. 10 bags, \$12.50.

PEAT MOSS, Horticultural Peat (Re-Peat)

Black Peat. Fine for seed flats and potting soil. (Iowa)

Approx. 100-lb. bag, \$3.95; 50-lb. bag, \$2.50.

PEAT MOSS, Horticultural (Canadian)

Adds organic matter, improves the texture, conserves moisture and aerates the soil. Gardeners use Peat Moss for packing and storing bulbs, such as Cannas, Dahlias, etc.

			Single Bale
3/4 cu. ft.	10 bale lot	\$0.85 each	\$1.35 each
2 bu. size	4 bale lot	1.40 each	1.85 each
2/3 bale	10 bale lot	2.90 each	3.50 each
Large bale	10 bale lot	3.95 each	4.50 each

POTASSIUM NITRATE

Analysis: 16-0-45. 25 lbs., \$5.25; 100 lbs., \$15.00. 5 bags @ \$14.00 bag.

SHEEP MANURE 1.25-1-2

This is a pure, natural manure. It is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. 50-lb. bag, \$1.65. 10 bags, \$1.60 bag.

SULPHATE OF AMMONIA

(21% Nitrogen)

Highly concentrated, quick acting. Particularly desirable for lawns and gardens. 10 lbs. covers 2500 sq. ft. or 50x50 ft. 25 lbs., \$2.25; 50 lbs., \$3.25; 80-lb. bag, \$4.50.

SUPER PHOSPHATE

(20% Phosphoric Acid)

Used for Carnation soil and other crops requiring phosphoric acid. For grain and Corn use 500 lbs. per acre. 80-lb. bag, \$2.50. 10 bags, \$22.50.

UREA (44% Nitrogen)

DuPont fertilizer compound for top or side dressing or by foliage application through leaves. 80-lb. bag, \$7.00 each.

VERTAGREEN—For Acid-Loving Plants

(Camellia, Azalea, Etc.) 4-8-8

50-lb. bag, \$3.35 bag; 25-lb. bag, \$2.05 bag.

VERTAGREEN ROSE FOOD—Organics

(5-10-5)

50-lb. bag, \$4.50 bag; 25-lb. bag, \$2.70 bag.

VERTORGANIC—50% Organic (8-5-7)

80-lb. bag, \$4.75 bag; 50-lb. bag, \$3.25 bag; 25-lb. bag, \$2.00 bag.



WATER-SOLUBLE FERTILIZERS
ITEMS WANTED BY PARCEL POST ADD POSTAGE AT ZONE RATE

ATLAS FISH EMULSION

A 100% organic, water-soluble fertilizer derived from sea-going fish. Non-burning.
4 oz. 24 \$ 5.62 Case\$.39 each
1 Pint 12 \$ 7.80 Case\$1.00 each
1 Quart 12 14.82 Case 1.90 each
1 Gallon 4 16.25 Case 6.25 each
5-Gallon Drum \$16.90 ea.\$26.00 ea.

SEQUESTERED SOLUTION
FERTILIZERS INSTANT/AQUA-SOL 100% Soluble

20-20-20 50 lb. bags \$13.50
20-5-30 50 lb. bags 13.00
25-0-25 50 lb. bags 12.50
35-0-15 50 lb. bags 12.50

PLANTABBS 11-15-20

Contains Vitamin B₁. Plantabbs supply a complete balanced plant food.
36 \$0.19 size 20 tablets, case\$4.10
24 .39 size 50 tablets, case 5.62
12 .59 size 90 tablets, case 4.25
6 1.00 size 200 tablets, case 3.60
1 3.50 size 1000 tablets, case 2.10

BLOSSOM SET, NO SEED
HORMONE, Aerosol Bomb

Ready to use. Contains 12 ozs., enough for 100 plants. Retail at \$1.79; per case of 12, \$12.88.

FRUITONE

A hormone spray for the stopping of pre-harvest drop of fruit and the retention of flowers, leaves and certain berries. Use 1 teaspoonful to 1 gal. of water or 2 ozs. to 25 gals. 2 ozs., \$1.25.

TOMATO FIX
For Early, Seedless Tomatoes

11-oz. bomb, \$1.50; case of 12, \$12.00.
8-oz. liquid, \$1.00; case of 12, \$8.00.

NITRAGIN

Inoculation increases yields of garden Peas, Beans, Home garden size, inoculates up to 8 lbs. of seed. Garden size, doz., \$1.92; each, 25c.

ARASAN

For Corn, Peanuts and certain vegetables. Reduces seed decay and damping-off for treating all your seeds.
1 oz.60c

NEW IMPROVED CERESAN

New improved "Ceresan" seed disinfectant is highly effective as a dip treatment for control of bulb rots of Gladiolus. 1-lb. can, \$1.95.

HOZON (for applying liquid fertilizer) is a proportioner for applying soluble fertilizers and chemicals. Simply connect between water faucet and hose. Each \$1.75

HYPONEX 7-6-19

A scientifically compounded mixture of chemicals in dry form which, when dissolved in water, yields a nutrient solution which is capable of supplying all the essential elements in a properly balanced form necessary for vigorous plant growth.

2/3-oz. size \$0.15 Ctn. of 48 ..\$4.80
2-oz. size .. .29 Ctn. of 36 .. 6.96
5-oz. size .. .59 Ctn. of 24 .. 9.44
10-oz. size .. 1.00 Ctn. of 12 .. 8.00
2 lbs. 2.45 Ctn. of 6 .. 9.80
10 lbs. 6.00 25 lbs.12.00
50 lbs.19.00 100 lbs.30.00

PLANT HORMONES

HORMODIN POWDER

Reg. U. S. Pat. Off.

The Hormone Powder for rooting cuttings faster and better. Available in three strengths: No. 1 for house, garden and greenhouse plants; No. 2 for woody and semi-woody plants; No. 3 for evergreens and trees. Combination pkg. (No. 1, No. 2 and No. 3), \$1.20.

HORMODIN POWDER No. 1
1 3/4 ozs., 80c; 1-lb. tins, \$4.00.

HORMODIN POWDER No. 2
1 3/4 ozs., \$1.20; 1 lb., \$5.95.

HORMODIN POWDER No. 3
1 oz., \$1.60; 1/2 lb., \$5.95.

PHOSFON-D

Use of PHOSFON-D will enable commercial greenhouse operators to grow short chrysanthemums. This will eliminate the necessity of staking and tying. The plants will stand by themselves. Use PHOSFON-D at the rate of 1 to 2 level teaspoons per cubic foot of potting soil. 1 lb. Bottle (Powder) \$17.95.

FUNGICIDES FOR SEED, GRAIN, BULBS

CERESAN M

For Wheat, Oats, Barley, Rye and Peas.
14 ozs. ...\$1.60 3-lb. can ...\$4.45

SEMESAN

Used as a dust or in solution with water for treatment of seeds, corms, bulbs and seedlings. Reduces seed rotting and damping-off.
12-oz. can \$5.95; 4-oz., \$2.50.

NEW PLANT LIFE 2-1-2

A very popular liquid fertilizer. Used for house plants, also in greenhouses.
3-oz. bottles \$0.33 Ctn. of 24 ..\$5.28
8-oz. bottles .59 Ctn. of 24 .. 9.44
Gal. bottles 4.00

RA-PID-GRO 23-21-17

Soluble fertilizer for feeding either through soil or leaves.

	Case	Dealer Cost	Suggested Consumer
2-oz. env.	36	\$ 5.40 per case	\$ 0.25
6-oz. env.	24	7.20 per case	.50
8-oz. size	24	10.80 per case	.75
1-lb. size	12	9.36 per case	1.30
2-lb. size	12	18.00 per case	2.50
5-lb. size	6	17.10 per case	4.75
10-lb. size	4	21.60 per case	9.00
25-lb. bag	2	25.20 per case	21.00
25-lb. drum	1	13.50 each	22.50

ROOTONE No. 10

Made especially for hard to root woody cuttings. Easy to use. Just dust on plant. 2 ozs. treats up to 3000 cuttings, 1 lb. up to 40,000. 2-oz. jar, \$2.25; 1-lb. can, \$10.00.

ROOTONE

An aid in stimulating root growth. For use on seeds, cuttings or bulbs. 1/4 oz. treats 400 cuttings, 2 1/2 lbs. of seed or 100 bulbs. 2 ozs. treats up to 3000 cuttings, 20 lbs. of seed or 800 bulbs. 1/4-oz. pkg., 35c; ctn. of 24, \$5.04. 2-oz. jars (up to 3000 cuttings) \$1.25 each; doz., \$9.00. 1-lb. pkg. (up to 30,000 cuttings), each \$5.00.

TRANSPLANTONE

Stimulates roots of plants, shrubs and trees. Invigorates and reduces loss in transplanting. Effective combination of Vitamins and Hormones. Water soluble. Use 1 teaspoonful to gallon of water. 1/2-oz. pkg., 35c; ctn. of 24, \$5.04. 3-oz. cans, \$1.25; doz. cans, \$9.00. 1-lb. cans, \$4.00 each.

SEMESAN BEL

For Irish and Sweet Seed Potatoes. A dip disinfectant for seed Potatoes. One pound treats from 60 to 80 bushels.
3 ozs.\$1.45

TERSAN 75

A DuPont fungicide for golf and lawn turfs, will prevent large brown patch and dollar spot.
8-oz.\$1.95 3-lb. bag.....\$6.75

ANIMAL AND PEST CONTROLS

	Number to Case	Dealer Cost	Suggested Consumer
BLACK LEAF WARR—Mixed Rat and Mouse Killer			
1-lb. carton	12	\$ 7.84 case	\$0.98 each
4-lb. carton	6	11.92 case	2.98 each

CYANOGLAS "A"—For Rats, Mice and Moles			
1-lb. cans	6	5.40 case	1.50 each
5-lb. cans	1	3.15 each	4.75 each
25-lb. pail	1	11.35 each	15.10 each

CYANOGLAS FOOT PUMPS with Glass Jar Reservoir			
1 to carton		13.75 each	17.50 each

MO-GO—Kills Moles, Gophers			
Trial size	12	3.60 case	.50 each
3 1/2-oz. can	12	7.20 case	1.00 each
1-lb. can	12	30.00 case	3.75 each

MOUSE NOTS—Mice Killer			
35c pkg. (9 nots)		2.80 doz.	.35 pkg.

	Number to Case	Dealer Cost	Suggested Consumer
MOLE NOTS—For Control of Moles			
1-oz. pkg. (8 nots)	12	\$2.80 doz.	\$0.35 pkg.
6-oz. pkg.	6	4.00 carton	1.00 pkg.

NIBONEX NO NIB'L Rabbit Repellent			
May be used as dust or spray.			
6-oz. can	12	10.32 doz.	1.29 each

PAKET MOLE BAIT			
1 1/4 ozs.	12	2.80	.35
6 ozs.	12	8.00	1.00

PICO DOG REPELLENTS			
Pkgs. of 9	12	8.00 doz.	1.00

RAT NOTS—Red Squill Rat Killer			
35c pkg. (9 nots)		2.80 doz.	.35 pkg.

RIDZ DOG REPELLENT—Aerosol			
12 ozs.	12	10.73 case	1.49 each

RODENT DESTROYERS (Molites)			
Gas Type Destroyer of Moles, Rats, Gophers.			
3 doz. to carton		3.60 carton	1.80 doz.

INSECTICIDES (FUNGICIDES, see pages 33,-34)

NOTE: All prices listed are subject to change. To the best of our knowledge, prices on supply items in this catalog conform to existing price established as of the date this catalog was issued.

NON-WARRANTY: Seller makes no warranty of any kind, express or implied, concerning the use of these products. Buyer assumes all risk of the use of handling whether in accordance with directions or not.

SUPPLIES SHIPPED BY PARCEL POST ADD POSTAGE; Check Your Zone Rates

AFRICAN VIOLET AEROSOL

Contains Pyrethrins, Rotenone, Piperonyl Butoxide. Controls microscopic sucking insects on African Violets, Ivy, Ferns, Philodendron, Rubber Plants, etc.

6-oz. bomb\$0.89 Case of 12\$6.40

ARAMITE—15% Wettable

Controls such mites as the Citrus Red Mite, Clove Mite, European Red Mite, Pacific Mite and Two-Spotted Mite on Apples. 4-lb. bag, \$3.50; case of 12 4-lb. bags, \$38.50.

ARSENATE OF LEAD

For spraying or dusting. A poison for controlling most leaf-eating pests. 1 lb., 85c; 4 lbs., \$1.60; case of 12 4-lb. bags, \$14.40.

BLACKLEAF 40—New Improved

2 ozs., \$1.19; 24 per case\$17.13
6 ozs., 2.69; 12 per case 19.37
12 ozs., 3.98; 6 per case 14.37

CHLORDANE 6% DUST (Du Pont)

For control of many garden and lawn pests such as ants, cutworms, chiggers, slugs, snails, grubs, etc. Also, for cockroaches, silverfish, carpet beetles, etc.

18-oz. can\$0.89 Case of 12\$6.70
3-lb. bag 1.50 Case of 8 7.50

CHLORDANE—40% Wettable Powder

A very effective stomach poison for a few chewing pests that are resistant to DDT. Extremely effective in the control of grasshoppers. 4 lbs., \$2.40; case of 12 4-lb. bags, \$24.96.

CHLORDANE LIQUID (Stauffers)

43% Chlordane Emulsifiable. For control of chiggers, ticks, lawn moths, etc. Gal., \$6.00.

CHLORDANE—72% Emulsifiable

8-oz. bottle\$2.25 16-oz. bottle\$3.95
Gallon\$12.00

CHLOROBENZILATE—25% Wettable Powder

Excellent control of red spiders and resistant mites on Roses, Spruce, Hemlocks, Azaleas, Ilex and nursery stock has been obtained. 4-lb. pkg., \$5.00. Case of 12 4-lb. bags, \$52.80.

CHLOROBENZILATE—25% Emulsifiable Liquid

A new material giving excellent control of red spider, including the resistant variety, on Roses and other ornamentals. Gal., \$9.65.

CYANOOGAS G-FUMIGANT

(Calcium Cyanide)

Excellent to control white fly, mealy bugs, leaf tyers and many other hard to control insects. Use ¼ oz. per 1000 cu. ft. 5-lb. cans, \$4.75; 25-lb. cans, \$15.10.



DDT 50%—Wettable

A wettable powder containing 50% DDT which mixes readily with water and can be used for spraying crops. Recommended dosage for horticultural crops is 1 to 2 lbs. per 100 gallons of water. 4-lb. pkg., \$1.60; case of 12 4-lb. bags, \$14.40.

DDT 25%—Emulsifiable

This powerful contact and stomach poison is useful against many pests, including thrips, leaf rollers, leaf hoppers, white fly. 1 gal., \$2.50.

DDT DUST—5%

For dusting plants. Also used in storing Gladiolus bulbs as a protection against thrip.

1 lb.\$0.69 5 lbs.\$2.00

DIBROM 8-E

For control of Aphids, Leafhoppers, Red Spider Mites, Caterpillars, Leaf Miners, Beetles, and tomato fruit worm. Used at rate of 1 pint to 100 gallons water. Gallon \$26.00.

DIAZINON 25-W

A residual spray for control of Fruit Tree Insects such as Aphids, Codling Moth, Leafroller, Mealy bugs, Mites, etc. For ornamental and vegetable insect control of mite, leaf miner, bagworm, aphids, etc. Average dilution 2 lb. to 100 gallons water. 5 lb. bag, \$7.25.

DIELDRIN 1.5 E LIQUID

Dieldrin is a long residual insecticide. While it prevents insect damage to your landscaping, Dieldrin also destroys nuisance pests, like mosquitoes, chiggers and fleas, that live in grass and shrubbery around homes and recreational areas. Gal., \$6.75.

DIELDRIN—50% Wettable

Useful for thrips, grasshoppers, ants, crickets, spittlebugs, and many soil insects. 2-lb. bag, \$4.00.

DIELDRIN—Granular (Curb)

New dustless 5% Dieldrin Granular insecticide for control of many turf, lawn and soil insects.

1 lb.\$1.19 4 lbs.\$3.89

DU PONT FLORAL DUST

For Roses and other flowers, too. Contains "Fermate" and sulphur for black spot, powdery mildew, rust of Roses and many diseases of other flowers. Also contains methoxychlor and rotenone for Japanese beetles, Rose chafers, aphids and many other insects. 1 lb., \$1.35; 3 lbs., \$2.95.



DU PONT FRUIT TREE SPRAY

Recommended for control of many insects and fungus diseases affecting Apples, Peaches, Cherries, Pears, Plums, Quince, Strawberries, Currants, Gooseberries. One pound makes about 13 gallons of spray. 1 lb., \$1.25; 3 lbs., \$2.95.

DU PONT SPREADER-STICKER

Effective and economical wetter, spreader and sticker. We recommend its use with all sprays for greater efficiency.

Pint cans (1 lb.)\$1.40 Gal. cans (8 lbs.)\$7.95

D-X INSECT SPRAY

A rotenone, pyrethrum, cyclonene spray non-poisonous to man that kills practically all the sucking and chewing insects that attack flowers, fruits and vegetables.

1-oz. bottle\$0.39 1-qt. can\$ 5.50
4-oz. can 1.00 1-gal. can 14.00
½-pt. can 1.75 5-gal. can 45.00

DU PONT TOMATO-VEGETABLE SPRAY OR DUST

Safe to use close to harvest. Contains "Parzate" fungicide, a safe control for blights of Tomatoes, Potatoes, downy mildew of Squash, Melons and Cucumbers. Contains methoxychlor and rotenone for control of Bean beetle, Cabbage worms, Potato beetle, Japanese beetle and many other insects. 1 lb., \$1.35; 3 lbs., \$2.95.

ENDRIN

A very effective control for Cyclamen mite on African Violets, Begonias, Chrysanthemums, Cyclamen, Gloxinias, Snapdragons, and many foliage plants. Use at 1 to 400 with a spreader. Gal., \$12.00.

"EVER GREEN" GARDEN SPRAY

It kills many of the common varieties of both chewing and sucking insects. A Pyrethrum spray for aphids, leaf rollers, leaf hoppers, midges, tarnished bugs, white fly.

	Retail	Dealer's Price
6 ozs.	\$1.35	Doz.\$10.50
Pint	2.90	Doz. 24.35

KELTHANE—18.5% Emulsion Concentrate

Most effective miticide. Safe to use on ornamentals, flowers, etc. Less toxic to animals than DDT. Recommended dilution 1 pint to 100 gallons of water. Via express only. 1 gal. \$9.95.

INSECTICIDES—Continued

FUNGICIDES—See pages 33 and 34 SUPPLIES BY PARCEL POST ADD POSTAGE

LETHALAIRE

Reg. U. S. Pat.-Off.

Cannot be sent Parcel Post.

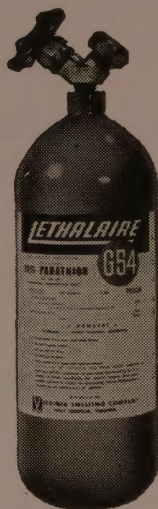
LETHALAIRE AEROSOL BOMBS

No.	Type	Each	Deposit
G-52 5%	TEPP	\$ 8.00	\$3.75
G-53 5%	DDT	10.00	3.75
G-54 10%	Parathion	9.50	3.75
G-57 5%	Dithiono	9.50	3.75
G-60 10%	Aramite	12.50	3.75
G-61 10%	Aramite and Lindane	13.00	3.75
G-62 15%	Malathion	10.25	3.75
G-64 10%	Phosdrin	13.25	3.75
G-66 10%	Chlorobenzilate	10.50	3.75
G-67 10%	Thiodan	10.25	3.75

Prepaid from factory in lots of 12.

(Above Aerosols in case lots of 6 cylinders—less 10% discount). Discount does not apply to cylinders.

*NOTE: The deposits on the bombs are refunded when they are returned to us prepaid.



KELTHANE—Wettable Powder

Gives high initial kill and long residual activity against most species of mites. Use 1 to 2 lbs. to 100 gallons of water. 4-lb. bag, \$4.50.

LINDANE—1 E Emulsifiable

Greenhouse and nursery plants, to control aphids, thrips, loopers, leaf rollers, plant bugs, white flies, leaf miners, flea beetles and diabrotica beetles. Gal., \$7.50.

LINDANE—25% Wettable

For Livestock Barns and Other Buildings. As a residual spray for control of flies, roaches, ants and mosquitoes, use at the rate of 10 pounds in 100 gallons of water. Apply to walls, ceilings, beams, window sills. 1-lb. pkg., \$2.00; 4-lb. bag, \$5.20.

MALATHION—50% Emulsifiable

Considered much less toxic to humans than Parathion yet it will control practically the same insects. A spray for aphids, thrips, soft brown scale, mealy bugs, and non-resistant red spiders. 1-oz. bottle, 59c; 4 ozs., \$1.25; 1 pt., \$3.50; gal., \$11.00.

MALATHION—25% Wettable Powder

A spray for aphids, thrips, soft brown scale, mealy bugs, and non-resistant red spiders. 1-lb. can, \$1.25; 4-lb. bag, \$2.80.

MARLATE 50 POWDER

50% Technical Methoxychlor Wettable Powder. MARLATE 50 is effective in the control of Mexican Bean beetle, Asparagus beetle, Cucumber beetles, flea beetles, Japanese beetle, leaf hoppers on Beans, Cabbage worms and Melon worms. As a spray for the control of the above insects use 2 to 3 lbs. of MARLATE 50 per 100 gals. of water. 4-lb. pkg., \$3.25; case of 12 4-lb. pkgs., \$36.48.

NICO-FUME LIQUID

For spraying and fumigating under glass. 8-lb. tin, \$16.25; 40-lb. drum, \$82.00.

NICO-TEEN Pressure Fumigators

NICO-TEEN pressure Fumigators (14% Nicotine) Controls Aphids (Green fly and Black fly), most Thrips, Chrysanthemum and Rose Midge on ornamental plants.

10,000 cu. ft. Fumigator, Ctn. of 12 \$ 7.25

20,000 cu. ft. Fumigator, Ctn. of 12 11.75

OMPA

A systematic poison which is absorbed into the plant through the stem and leaves. Recommended to control resistant red spiders on which other materials have failed. Gal. can, \$14.75.

OPTOX (Formerly called Hitox)

A Pyrethrum-Rotenone spray. Optox is a contact insecticide as well as a stomach poison and may be used for the control of the chewing and sucking insects: aphids (plant lice), leaf hopper, thrips, white fly, leaf rollers, red spider, mildew and mealy bugs. 1-pt. can, \$2.25; 1-qt. can, each \$3.75; 1-gal. can, each \$12.00.

PARA-SCALECIDE

Para-Scalecide is a combination of Paradichlorobenzene and Scalecide, which makes a liquid application for Peach borers that is safe and effective on young or old Peach trees. 1/2 pt., \$1.00; qt., \$2.00; gal., \$5.00.

PARATHION 4E — 46% Miscible

Controls a large number of pests. Leafrollers, moths, rootworms, cockroaches, white fly, mealy bugs, thrip, red spider, sowbugs and aphids. 1 gal. can, \$10.50.

LETHALAIRE SUPPLIES

Applicators for Bombs

24-inch, each	\$7.00
36-inch, each	7.25
48-inch, each	7.50

WILLSON GREENHOUSE MASK

New type Tite-Seal Willson mask with H3FC Canister of all Leth. Aerosols including Phosdrin G-64. Each \$32.00.

WILLSON GREENHOUSE MASK

(WHG-H3FC). Complete with H3FC Canister for all Lethalaire Aerosols including Phosdrin G-64. Each \$24.75.

Extra Canisters G-3FD Each \$4.85

Extra Canisters H-3FC Each 6.50

Rubber Gloves, Pair 1.60

Goggles and Respirators see page 39.

PARATHION—15% Wettable Powder

Dow Parathion 15% wettable may be used on Apples for control of mites, red banded leaf roller, mealy bugs and woolly aphid, also for the control of mealy bugs aphids, leaf tiers and mites on nursery stock and ornamental shrubs. Use at the rate of 1/2 to 1 1/2 lbs. per 100 gals. of water. 3 lb. pkg., \$1.95.

PARADOW CRYSTALS

Pure Paradichlorobenzene

Kills Peach tree borers. Best applied in fall but may be used in spring. Also useful to control slugs. 5 lbs., \$2.00; 25 lbs., \$7.50; 100 lbs., \$25.00.

PENTAC

Wettable Powder miticide that is very effective against two-spotted mite and has a long residual activity. Used at rate of 8 oz. to 100 gals. water.

1 lb. \$13.00 5 lbs. \$50.00

PHOSDRIN 4E

Phosdrin insecticide is a powerful organophosphorus material that can be applied to crops close to harvest. DO NOT BREATHE SPRAY MIST. Gal., \$30.00.

PLANTFUME NO. 103 Smoke Generators (15% Dithio)

For control of red spider mites, thrips, soft brown scale, aphids, and mealy bugs.

5,000 cu. ft. Fumigator, Ctn. of 36 \$12.00

20,000 cu. ft. Fumigator, Ctn. of 12 12.00

RED ARROW GARDEN SPRAY

(Pyrethrum-Rotenone.) Kills many varieties of both sucking and chewing insects on vegetables, flowers, fruits. 2 ozs., 89c; 4 ozs., \$1.39; pt., \$3.98.

ROTENONE DUST (Hammond's)

Controls Mexican Bean beetles and other chewing insects. 1 lb., 60c; 5 lbs., \$2.20.

SCALECIDE

Spray every fruit tree, shade tree, shrub and vine that drops its foliage in winter with Scalecide (1 to 40). Spray any time after the foliage is off in the fall or before the buds show in the spring, provided the temperature is warmer than 40 degrees. Qt., \$1.39; gal., \$3.25; 5 gals., \$13.50.

SEVIN 50-W

Sevin a new carbamate insecticide gives excellent control of many insects of Fruits and Vegetables. Check the Sevin label for specific insects. 6-oz. pkg., \$1.79; 2-lb. bag, \$2.50.

SEVIN 4 FLOWABLE

Apple maggot, eastern tent caterpillar, European apple sawfly, eye-spotted bud moth, Forbes scale, fruit tree leaf roller, Japanese beetle, lecanium scales, oystershell scale, pear sylla, periodical cicada, plum curculio, red-banded leaf roller, rosy apple aphid, San Jose scale, tentiform leaf miners. Apply 1 qt. per 100 gal. water. Gallon, \$8.00.

INSECTICIDES – FUNGICIDES – Continued

SUPPLIES SHIPPED BY PARCEL POST ADD POSTAGE

SLUG SHOT (Hammond's)

An old favorite dust, effective against leaf eating insects and diseases. **Lb., 69c; 5 lbs., \$2.30.**

SNAROL

Snarol—an attractive bait meal—will quickly rid your garden of cutworms, snails, slugs, sowbugs, earwigs and grasshoppers. Snarol is a ready prepared meal that you simply broadcast about plants and shrubs after you sprinkle them in the evening. **Lb., 60c; 6 lbs., \$2.00; 50-lb. bag, \$13.00.**

TALC

Used as a filler in mixing insecticides and dusting. **50-lb. bag, \$2.50.**

TDE (DDD)

For control of leaf hopper, thrip, Elm leaf beetle, etc. **4-lb. bag, \$2.75.**

TEDION—25% Wettable Powder

Niagara's long residual spray for control of red spider mite—used 1 lb. to 100 gallons water. **2-lb. bag \$3.80; case of 12, \$42.00.**

TEDION 90 Greenhouse Spray

Tedion is a specific miticide producing good control of mites in greenhouses where mites have built up resistance to other miticides. Single application will remain effective from 6 to 10 weeks. Use ¼ lb. to 100 gal. of water. **1-lb. can, \$7.20.**

TEDION-DITHIO Pressure Fumigators (15% Tedion, 12.5% Dithio)

Controls resistant red spider mites, aphids, white fly, mealy bugs, soft brown scale and thrips.
10,000 cu. ft. Fumigator, Ctn. of 12\$15.00
20,000 cu. ft. Fumigator, Ctn. of 12 26.00

THIODAN Pressure Fumigators

Controls resistant tough to kill aphids, chrysanthemum aphid, crescent marked lily aphid, greenhouse adult white fly, green peach aphid, rose aphid, and many other species of aphids.
10,000 cu. ft. Fumigators, Ctn. of 12\$12.00
20,000 cu. ft. Fumigators, Ctn. of 12 18.00

THIODAN 50-W

Wettable powder for effective control of resistant aphids. Use 1 lb. for 100 gal. water. **5-lb. bag, \$11.50.**

TREE TANGLEFOOT (Caterpillar Paste)

A sticky substance spread around the bark of trees to prevent creeping insects from climbing up the tree. **6-oz. can, 90c; lb. \$1.50; 5 lbs., \$7.00.**

TRITHION

New non-systemic, long residual organic phosphate insecticide for control of mites, aphids, scale insects, mealy bugs, white flies and leaf hoppers. 1 lb. to 100 gallons water. **5-lb. bag, \$5.50.**

TRI-OGEN 3-in-1 Rose Spray

Tri-Ogen all in one liquid spray. 8 oz. bottle makes 6 Gallon spray.

8 oz.	12	\$12.96 case	\$1.80 each	Quart \$5.00
16 oz.	12	21.60 case	3.00 each	½ gal. 9.00

V-C 13 NEMACIDE

For controlling nematodes in greenhouse benches, seed flats, potting soil, etc. Write for leaflet. **6-oz. bottle, \$1.75; pt. \$3.25. qt., \$6.00; 10-lb. bottle. \$20.00.**

VAPOTONE

Contains tetraethyl phosphates. The organic insecticide that has been giving such spectacular results against red spider and aphids on Roses, Carnations, Gardenias, Mums, etc.

Gallon\$11.90

VOLCK, NURSERY

The scientific insecticide for nursery, greenhouse and garden. Controls scale insects. An oil spray used against mealy bugs, scale insects, red spider and white fly.

Pint	\$.89	Case of 12	\$ 7.12
Gallon	 3.49	5 gal.	 10.50

ZINC SULPHATE

Used as a softener in arsenate sprays on foliage, such as Peach trees, susceptible to arsenical injury. Use 2 lbs. zinc sulphate and 3 lbs. hyd. lime to 100 gals. water. **1 lb., 35c; 5 lbs., \$1.25; 25 lbs., \$5.00.**

FUNGICIDES

SUPPLIES BY PARCEL POST ADD POSTAGE

ACTI-DIONE-CAPTAN

This antibiotic and fungicide formulation controls black spot and powdery mildew. Will protect your roses, phlox, zinnias, chrysanthemums. To mix, add two tablespoonfuls of Acti-dione-Captan to each gallon of water. Keeps plants clear of disease, leaves no objectionable residue.

		Dealer Cost	Suggested Consumer
5 oz. can	12 to case	\$14.28 case	\$1.98 each
10 oz. can	12 to case	25.80 case	3.59 each

ACTI-DIONE P.M.

The Antibiotic Fungicide that kills mildew on contact. 5-oz. package will make 5 gallons spray.

5 oz. can	12 to case	\$ 8.64 case	\$1.20 each
12 oz. can	12 to case	17.88 case	2.48 each
50 oz. bag	12 to case	44.64 case	6.20 each

ACTI-DIONE-THIRAM

For control of the following lawn diseases: Brown Patch and Leafspot on Bentgrasses, Leafspot on Kentucky Bluegrass, Rust and Fading-Out on Merion Bluegrass.

6 oz. cans	12 (case)	\$28.56	\$3.98
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ACTI-DIONE RZ

An antibiotic fungicide for control of lawn diseases and Azalia Petal Blight. Powdery mildew on all grasses. 1.6 oz. Envelope treats 3,000 sq. ft.

1.6 oz. env.	24 case	\$21.60 case	\$1.50 each
5.0 oz. can	12 case	28.56 case	3.98 each

AGRI-MYCIN 17

Agri-Mycin 17—Agricultural Streptomycin for control of Fire Blight on Fruit Trees and Bacterial Leaf Rot of Philodendron. 8 oz. pkg. makes 50 to 100 gallons of spray. **8-oz. pkg., \$3.75.**

BOTRAN

New Upjohn soil and foliar fungicide for BOTRYTIS and RHIZOCTONIA. A wettable powder used ½ lb. to 1 lb. to 100 gallons of water.

3 lb. Bag 50% Wettable \$ 6.54 50 lb. Bag 8% Dust 26.49

BORDEAUX MIXTURE (Dry)

For blight, mildew, rust, etc. Use for dry dusting or spraying. Dilute 1 pound to about 6 gals. of water. **Lb., 65c; 4 lbs., \$1.60; Case 12—4 lb. bags, \$13.44.**

CAPTAN 50-W (Fungicide)

For leaf disease on Roses, Mums, Carnations, etc., and root rot, damping-off, rust and black spot. **2-lbs., \$2.00; 4-lb. bags, \$3.20; 5 bags, \$15.00.**

COPPER SULPHATE—Blue Vitriol

10 lbs.	\$3.50	100 lbs.	\$23.00
25 lbs.	 8.00		

CM-19

A material for BOTRYTIS Blight. Apply as a spray using 1 pint for 100 gallons of water in cool weather and 4 to 6 ozs. to 100 gallons of water when 90 to 100 deg. F. **40 lb. drum, \$40.00.**

DOWFUME FOR SOIL FUMIGATING

(Cannot Be Sent Parcel Post)

DOW'S METHYL BROMIDE SOIL FUMIGANT



A methyl bromide compound that has been found excellent to kill all weeds, weed seeds and soil insects including nematodes. It is used at the rate of 1 lb. per 100 sq. ft. applied under a gas proof cover, Visqueen Film or Sisalkraft. Permits planting within 48 hours. **1-lb. can, \$1.00; case of 24 1-lb. cans, \$19.44. Jiffy Applicator with 20 ft. plastic tubing, \$5.25; with 10 ft. plastic tubing, \$4.25.**

MC-2 TRIAL KIT

Contains 4 1-lb. cans of MC-2 with Jiffy Applicator and 10 ft. tubing and a plastic cover 8 ft. by 16 ft. **Complete Kit \$13.00.**

FUNGICIDES—Continued

SUPPLIES BY PARCEL POST ADD POSTAGE; Check Your Zone Rates

FERMATE—Fungicide (Ferbam)

Reliable specific for black spot on Roses, leaf spot on Chrysanthemums, against all fungi and mildews. 9-oz. can, \$1.25; doz., \$9.40; 3-lb. pkg., \$2.00; case of 12 3-lb. pkgs., \$21.00.

FLOWERS OF SULPHUR

A powder used to check mildew, dry rot and other fungous diseases. 5 lbs., 75c; 10 lbs., \$1.20; 50-lb. bag, \$4.00.

GRAPE and ROSE DUST (Hammond's)

Basically a microfine sulphur compound useful to control blights, powdery mildew and black spot. 1 lb., 65c; 5 lbs., \$2.30.

KARATHANE MILDEX

A wettable powder for controlling powdery mildew on Roses and other greenhouse crops. 3-lbs., \$5.25.

MANZATE—Wettable Powder

A fungicide that mixes well with water for control of major fungus diseases of Tomatoes and other vegetables. 3-lb. bag, \$3.25.

MBX SOIL FUMIGANT

New rapid setting fumigant. Especially toxic to nematodes, eelworms, soil insects, millipedes, centipedes, pillbugs, etc. Permits replanting in 2 to 4 days. Water seal is only covering needed. 2 3/10 gals. to 1000 sq. ft. 5-gal. drum, \$19.00.

MBX SOIL FUMIGANT APPLICATORS

Highly satisfactory hand applicators. Adjustable for varied dosage. Will give years of service. Each \$32.00.

MORTON SOIL DRENCH C

A new pre-emergence soil drench. A concentrated fungicidal solution for controlling damping-off. Use 1 fl. oz. per 35 gallons of water and apply 2 pints per sq. ft., before or after seedlings are up. 1 gal., \$15.95.

PANO-DRENCH

A new and very effective chemical for control of damping-off organisms, especially Rhizoctonia, on crops in soil and the propagation bench. Use as a preventive by drenching soil 24 hours before planting. 4 oz. makes 72 gals. of drench and treats 150 to 200 flats.

1 oz.	\$1.95	Dozen	\$16.20
4 oz.	5.95	Pint	19.20

PHALTAN or Folpet 50-W

A fungicide for plant disease control. For septoria leaf spot, black spot, and powdery mildew. Use 1 lb. to 50 gallons water. 5-lb. bag, \$5.50.

SULPHUR MICRO-FINE (Wettable Sulphur)

More than 15 times finer than 325-mesh sulphur. Wets instantly and is the preferred wettable sulphur. Lb., 45c; 5-lb. bag, 90c; case of 10 5-lb. bags, \$7.00.

PARZATE POWDER

Du Pont fungicide for control of certain plant diseases and rust on Snaps and Carnations. 3-lb. bag, \$2.50; case of 16 3-lb. bags, \$31.20.

PARZATE LIQUID

Nabam Fungicide 5-gal. drum, \$10.50.

SULFOCID

A sulphur fungicide for fruits, vegetables and flowers. Use 1 qt. to 50 gals. water. Add spreader. 1-gal. can, \$4.00; 1-qt. can, \$1.75.

TERRACLOR W.P. 75%

Controls Rhizoctonia stem rot by inhibiting growth of the fungus responsible. Also controls certain broad leaf weeds. For soil drench, mix 1 lb. to 100 gallons of water, to treat 400 sq. ft. of greenhouse bench. 5 lbs., \$4.20; case of 10 5-lb. bags, \$40.00.

TERRACLOR LIQUID

2 lb. emulsifiable concentrate. 5 gal. drum, \$16.50.

VAPAM FUMIGANT (Stauffers)

Vapam has proven highly effective in the control of weeds and weed seeds, nematodes and soil fungi. Write us for leaflet. 1-gal. jug, \$4.50; 5-gal. drum, \$18.00.

ZERLATE (Ziram)

A useful fungicide for many leaf spot diseases, rusts, stem rots, and damping-off. Most satisfactory when applied as a preventive. 3-lb. bag, \$2.25; case of 12 3-lb. bags, \$25.20.

WEED KILLERS

Note: Weed Killers must be used with extreme care around the greenhouse. Equipment used in spraying weed killers should not be used for spraying plants.

AMMATE WEED KILLER

Controls poison ivy and other noxious weeds. Keeps walks and roads clear with little trouble. Non-poisonous, fire retarding, clean, odorless, effective. 3/4-1 lb. diluted in 1 gal. water will treat 100 sq. ft. 2-lb. bag, \$1.35; 6-lb. bag, \$3.50.

ESTERON BRUSH KILLER

Esteron Brush Killer contains a mixture of low volatility propylene glycol butyl ether esters of 2,4-D and 2,4,5-T. Three to four quarts in 100 gallons of water. Gal., \$8.70.

DOW ESTERON 245

Recommended for use in controlling herbaceous and woody plants resistant to 2,4-D. 2 to 3 quarts in 100 gallons of water. Gal., \$11.65

DOW ESTERON WEED KILLER

Formula 44

Esteron 44 is a powerful 2,4-D weed killing formulation especially effective against many woody plants and certain hard-to-kill herbaceous weeds. Such plants as Alder, Aspen, Birch, Box Elder. 1-gal. can, \$4.50.

DOW SODIUM TCA 94% WEED KILLER

Dow Sodium TCA 94% offers a practical means of controlling noxious perennial grasses. This Dow weed killer will kill Johnson grass, Bermuda grass. 10-lb. can, \$5.25; 50-lb. drum, 45c lb.

2-4 DOW WEED KILLER 40

High in acid content and economical to use. It is ideal for low volume application. One pint treats 1 acre of small grains and grass seed crops. 2/3 pint treats 1 acre of Corn, Flax and Sorghum. 1-gal. cans, \$3.90; 5-gal. drums, \$18.25.

DOWPON

For control of annual grasses and established Johnson, Bermuda and other grasses in agricultural land. 1 lb., \$2.35; 5-lb. can, \$6.50; 50-lb. drum, \$57.50.

DOW CRAB GRASS KILLER

Zytron Herbicide

Guaranteed by The Dow Chemical Company to control crabgrass.

Dow Crab Grass Killer containing powerful Zytron herbicide gives you guaranteed crabgrass control by destroying the seeds as they sprout. Applied early in the spring, Dow Crab Grass Killer kills up to 98% of all germinating crabgrass seeds. Dow Crab Grass Killer comes in 20-lb. bags that treat 2,500 sq. ft. It's easily applied with a spreader. 20-lb. bag, \$8.95.

DU PONT LAWN WEED KILLER (2, 4-D)

For all broad leaf weeds. 8-oz. can, \$1.25; 32-oz. can, \$3.25.

C. W. K. CHICKWEED KILLER

Active ingredient Sodium Arsenate and Potassium Cyanate. For seedling chickweed dissolve 1 ounce in 2 gallons of water to treat 250 sq. ft. 6-oz. can, \$1.00; 1 lb., \$2.00.

HAMMOND'S WEED KILLER

Weeds, poison ivy and all vegetation are easily killed with this highly concentrated (stands dilution with 40 parts of water), easy-to-use material. Do not use on lawns. Qt., 98c; gal., \$2.69; 5 gals., \$11.00.

SIMAZIN 4G (Granules) W. K.

4% granules for broadcasting. Apply 50 lbs. per acre. 50-lb. Carton, \$13.50.

SIMAZIN 80W

Pre-emergence herbicide for general weed control. For weed control in nurseries one application of 2 1/2 lbs. per acre in at least 25 gallons water will give control for three months. 5-lb. bags, \$15.65

WEEDONE LAWN WEED KILLER

Low volatile 2, 4-D and Silvex (2,4,5-TP) formulation for control of lawn weeds, briars, poison ivy and many other weeds and woody plants.

8 Oz. can	\$1.00	Case of 24	\$14.40
1 Pint can	1.69	Case of 12	12.17
1 Quart can	2.75	Case of 12	19.80

SPRAYERS



DU PONT GARDEN HOSE SPRAYER

Du Pont Garden Hose Sprayers handle every garden spraying requirement. Only one sprayer is needed for all spraying jobs. Attaches to the garden hose and sprays any chemical that mixes with water. Features handy control valve and two separate nozzles for four separate sprays. Sprays up to 30 feet. Unit contains back siphonage protection.

Suggested prices, each.....\$4.50
Dealers (case) 1 doz. units\$37.10

PARAGON POWER SPRAYER

PUMP. Delivers up to 1½ gallons a minute.

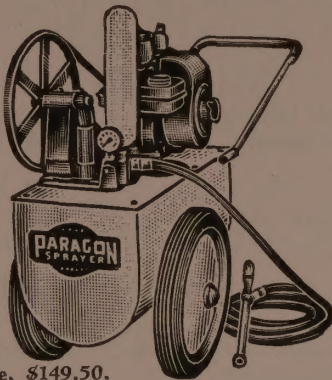
POWER. 4-cycle ¾ HP gasoline engine. Can also be furnished with electric motor at same price.

GUN. Easily regulated . . . mist or 25-foot . . . 15 feet ¾" spray hose.

AGITATOR. Double-bladed.

TANK. 15-gallon.

WHEELS. 14" rubber tired.



P-2031—15 gal. Price, \$149.50.

PARAGON P-2061—30 gal.

30 gallon power sprayer complete with standard equipment, and ½ hp 4-cycle gas engine. Dealer's Price, \$175.00.



PARAGON No. 3-2W SPRAYER

Economical—
Durable—
Efficient

No. 3-2W. Standard equipment: 10-ft. special spray hose, 7½ ft. spray pipe in 3 sections, 2 spray nozzles, all steel truck. Capacity 12 gals. with 2 wheels. \$43.50.

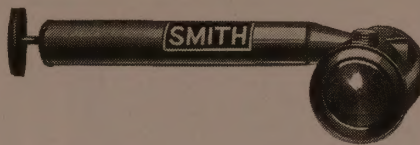
TRI-SODIUM PHOSPHATE

Used for washing and cleaning out sprayers. Be sure to rinse thoroughly to avoid corrosion of the metal. Use 2 tablespoons to 1 gallon of water, or 3 lbs., to 100 gallons of water.

5 lbs.\$1.25 25 lbs.\$3.50
10 lbs.2.00 50 lbs.5.00

SMITH No. 23 G. F. RITESIZE

Funnel top for all spraying purposes. Capacity 2 gals., Armco steel tank. 5-ft. hose, extension rod, adjustable nozzle. Each \$9.75.



SMITH SPRAYERS

Made of heavy tin and Armco zinc-grip steel.

No. 3G. SPRAYER WITH GALVANIZED TANK. Capacity 1 qt. Each \$1.50.

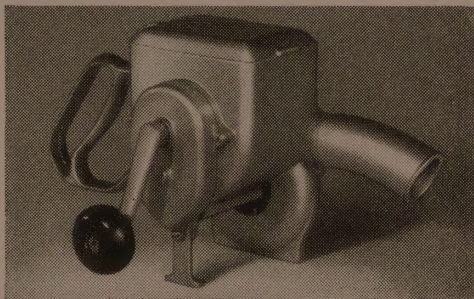
No. 10G CONTINUOUS. Capacity 1 qt. Galvanized. Each \$2.25.



ADJUSTABLE NOZZLE

Throws broad fog mist, or long distance spray for trees. ¼-inch pipe connection.

No. 147. Each.....\$1.65



PEST-MASTER GARDEN DUSTER

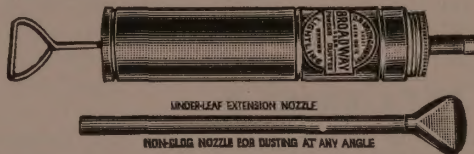
A medium size duster, holds 1½ lbs. of insecticide. A fine duster for greenhouse or home garden. Each \$9.95.

BLIZZARD SPRAYERS

The finest and most attractive sprayer ever made. Has brass twin nozzle; seamless brass pump; highly polished copper tank. 1 qt. Blizzard, all brass, \$5.50.



Smith Blizzard Continuous Sprayer



SMITH No. 39 DUSTER

It is a very popular size for home gardens, and

for dusting different kinds of powder insecticides. Each \$2.25.

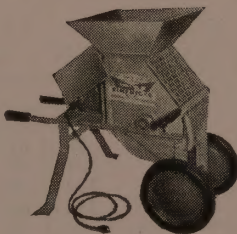
KEMP POWER SOIL AND ORGANIC ALL-PURPOSE SHREDDERS

Designed to handle heavy compost under all possible conditions. Low in price, economical to operate. Saves labor and time. Available in three sizes. The machine pictured is the No. 6. A very reasonably priced machine. Will handle all that two men can shovel.

MODEL No. 6

Two Rubber Tires Standard Equipment

With 4 HP B & S Gas Engine.....\$252.00
With 3 HP B & S (Model 8 B) Gas Engine.....246.00
With ¾ HP Heavy Duty Elec. Motor, 1750 rpm, 3' cord ..259.00
With 1 HP Heavy Duty Elec. Motor, 1750 rpm, 3' cord ..287.00



MODEL No. SK

Two Rubber Tires Standard Equipment

With 2¼ HP B & S Gas Engine.....\$180.00
With ½ HP Elec. Motor, 1725 rpm, 3' cord..199.50

KEMP SHREDETTE For Home Gardeners

Rubber Tires Standard Equipment

With 1 HP G.E. Elec. Motor, 3450 rpm.....\$139.50
With 2¼ HP B & S (Model 6 B) Gas Engine129.50
Without Engine or Motor94.50



SUPPLIES FOR THE GROWERS

PLANT BANDS

All F.O.B.
St. LouisAll F.O.B.
St. Louis

Grow All Your Plants, Seeds, and Cuttings This Modern Way

STAPLED WOOD PLANT BANDS

If in the market for 50,000 or over, write for special price. Sturdy plant bands made of Cottonwood, securely fastened with two wire staples for quick setup. All bands

are packed 1000 to a case except 4x4x4 inch which are packed 500 to a case.

Size in inches	Weight per 1000	Per 1000	Size in inches	Weight per 1000	Per 1000
1 3/4 x 1 3/4 x 2 1/2	28 lbs.	\$6.10	2 1/2 x 2 1/2 x 3	38 lbs.	\$6.90
2 x 2 x 2	28 lbs.	6.10	3 x 3 x 3	45 lbs.	7.40
2 x 2 x 2 1/2	32 lbs.	6.20	3 x 3 x 4	70 lbs.	7.60
2 x 2 x 3	32 lbs.	6.50	4 x 4 x 3	90 lbs.	7.70
2 1/4 x 2 1/4 x 2 1/2	30 lbs.	6.40	4 x 4 x 4	90 lbs.	8.60
2 1/2 x 2 1/2 x 2 1/2	38 lbs.	6.50			

10,000 to 24,000 less 10c per 1000; 25,000 to 50,000 less 15c per 1000.

We can supply bottoms for the above bands. Please write for prices.

BIRD TOM THUMB FLATS

Tom Thumb Flats are made of heavy water proof fibre resinous material. Use with Vita-Band "D" or Vita-Band "10". The most economical way to sell potted annuals in dozen lots. Potted plants sell easier at premium prices.

Tom Thumb Flats Hold one doz. 2x2x2 1/2 in. Vita-Band No. 10.



TOM THUMB FLATS

Per Carton

No. 2. 250 to carton (65 lbs.).....\$12.50

No. 10 VITA-BANDS

2000 2x2x2 1/2 in. to carton, 43 lbs. 11.30

BIRD GROWTH-STIMULATING PLANT BANDS

Bands Sold in Full Cartons Only. Price per Carton.

VITA-BAND 10



VITA-BAND 10 for short growing periods. Will usually contain root growth up to approximately 8 to 10 weeks. Nutrient-treated with quickly available plant food.

Price per Carton

Per Ctn.	Wt. lbs.	Price	Per Ctn.	Wt. lbs.	Price
1 3/4 x 1 3/4 x 2 1/2	2000	40 \$10.80	2 1/2 x 2 1/2 x 3	2000	35 \$13.40
2 x 2 x 2 1/2	2000	43 11.30	3 x 3 x 3	1000	38 7.45
2 x 2 x 3	2000	52 12.40			

VITA-BAND D



VITA-BAND D contains root growth until grower chooses to let root through Band. Only quick, slight pressure is needed to crack Band. Do not remove Vita-Band "D" when transplanting. Band disintegrates.

Price per Carton

Per Ctn.	Wt. lbs.	Price	Per Ctn.	Wt. lbs.	Price
1 1/2 x 1 1/2 x 2 1/2	2000	18 \$10.40	2 1/2 x 2 1/2 x 3	2000	35 \$13.50
1 3/4 x 1 3/4 x 2 1/2	2000	21 11.10	3 x 3 x 3	2000	41 15.20
2 x 2 x 2 1/2	2000	23 11.60	4 x 4 x 4	1000	38 12.40
2 x 2 x 3	2000	28 12.60			

VITA-BAND H



VITA-BAND H is the new nutrient-treated successor that replaces Bird Vita-Band 40. Vita-Band "H" will control root growth of those plants which demand extra long growing periods.

Price per Carton

Per Ctn.	Wt. lbs.	Price	Per Ctn.	Wt. lbs.	Price
1 3/4 x 1 3/4 x 2 1/2	1000	28 \$6.55	3 x 3 x 3	1000	52 \$9.15
2 x 2 x 2 1/2	1000	30 6.95	4 x 4 x 4	500	46 6.90
2 x 2 x 3	1000	36 8.15			
2 1/2 x 2 1/2 x 3	1000	42 8.70			

PANSY BASKETS



Weight per 100	100	500	1000
1 qt., 12 lbs.	\$3.60	\$17.50	\$34.00
2 qt., 17 lbs.	4.00	19.50	38.00
3 qt., 20 lbs.	4.20	20.50	40.00

LIGHT WOOD FLATS

(Flats without bands) 1000

No. 000. Holds 12-2x2x3 in. bands. \$50.00

No. 0000. Holds 12 2 1/2 x 2 1/2 x 3 in. bands. 54.00

No. X. Holds 6 3x3x3 in. bands... 51.00

BIRD PERENNIAL POTS

A better perennial pot. Made of a tough material, with hard, smooth coating inside and out. Solid stapled bottom with openings for drainage.

Minimum order: Case of 200. Height, 5 in.; top diam., 8 in; per case of 200, \$14.50.

BIRD'S PAPER POTS



RED POTS for Shipping. Your plants will arrive in good condition and protect your reputation for shipping sturdy, healthy plants. They save packing time. Shipped to you set up and ready to use, these pots make shipping a simple one-step operation.

VITA-POTS. Grow and ship in the same pot—saves labor and leaves root ball undisturbed. Nutrient treatment, so successful in Vita-Band, has now been applied to this sturdy resinous pot. Reduces watering.

Sold in Units of 1000 Only

Size	Weight per Carton	Prices per 1000 Red Pots	Vita-Pots
2 1/4 -inch (2000 per carton)	24 lbs.	\$ 9.90	\$16.45
2 1/2 -inch (2000 per carton)	32 lbs.	10.00	17.05
3 -inch (2000 per carton)	44 lbs.	10.55	19.15
3 1/2 -inch (1000 per carton)	32 lbs.	13.90	23.50
4 -inch (1000 per carton)	42 lbs.	16.90	28.25
5 -inch (500 per carton)	33 lbs.	20.90	

PLANT TUB

Strongly constructed of wood and held rigid with 3 steel wire straps. Painted green.

No.	Inside Top Diam.	Price Each
No. 2.	7 in.	\$1.65
No. 3.	8 in.	1.90
No. 4.	9 in.	2.10
No. 5.	10 in.	2.40
No. 7.	12 in.	2.95
No. 9.	14 in.	3.45



REDWOOD OCTAGON TUBS

Made of the finest grade Redwood. Beautiful.

Inside Measurement	Dealer Cost Each	Cost Per Case	Pack Per Case	Weight Per Case
8x 6 in. deep	\$1.90	\$1.75	6	15 lbs.
10x 7 in. deep	2.25	1.95	6	21 lbs.
12x 9 in. deep	2.95	2.65	6	30 lbs.
14x11 in. deep	3.90	3.30	6	42 lbs.
16x13 in. deep	4.90	4.40	4	36 lbs.

COASTERS

	Price Each	Per Case	Weights
12 in. Indoor Coasters (w/bowl)	\$2.65	6	20 lbs.
14 in. Indoor Coasters (w/bowl)	3.20	6	23 lbs.

SUPPLIES FOR THE GROWER

VISQUEEN FILM-Ultra Violet Resistant 4 Mil - Unfolded Widths

3 ft. x 100 ft.....	\$ 4.50 Roll
8 ft. x 100 ft.....	12.00 "
10 ft. x 100 ft.....	15.00 "
12 ft. x 100 ft.....	18.00 "
14 ft. x 100 ft.....	21.00 "

REGULAR VISQUEEN FILM SEE PAGE 40



JIFFY-POTS FOR SPRING BEDDING PLANTS

Plan now for in-
creased sales and profits.
Sold In Case Lots Only.

Mod. No.	Top Diam. and shape	Depth of pot	Ship. Wt. per Case	Packed per Case	Price per Case	Price per 1000 Cases	1-9 Cases	10-24 Cases
115	1½" Round	1¾"	17 lbs.	3000	\$17.85	\$ 5.95	\$ 5.70	
122	2¼" Round	2¼"	37 lbs.	3000	23.85	7.95	7.60	
130	3" Round	3"	37 lbs.	1500	21.00	14.00	13.35	
140	4" Round	4"	35 lbs.	750	23.25	31.00	29.50	
217	1¾" Square	2⅛"	35 lbs.	3000	22.80	7.60	7.25	
222	2¼" Square	2¼"	37 lbs.	2500	22.75	9.10	8.70	
230	3" Square	3"	40 lbs.	1000	16.90	16.90	16.15	
517	1¾" Jiffy-Strip	2⅛"	40 lbs.	3600	26.28			
522	2¼" Jiffy-Strip	2¼"	40 lbs.	2400	21.36			

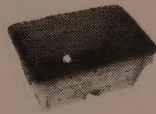
PLASTIC POLY-TRAYS FOR JIFFY POTS

					Packed	Price	Weight
No.					Per case	Per case	
No. J175	Hold 12	1¾ Sq. Jiffy		300		\$16.40	21 lbs.
No. J225	Hold 12	1¼ Sq. Jiffy		200		14.80	18 lbs.

BALL MARKET-PAK

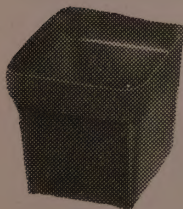
(200 per case, 20 lbs.)
Per Case Per 1000

No. 35	5-11/16x6⅞x2¾ in.	\$ 9.00	\$43.00
No. 42	5½x7½x2⅞ in.	9.20	44.00
No. 44	5½x7½x2¾ in.	10.30	49.50
No. 57	6¾x5⅞x2¾ in.	14.80	70.00



BALL HALF FLAT

	Per case	Per 1000
10x12x2⅞ in. Packed 200 per case.....	\$24.00	\$110.00



WILSON PLASTIC POTS

Mottled Green. Sold in original cartons only.

Prices per 1000

Round Pots	Prices per Carton	10,000 per 50,000	Pots per Carton	Carton Weight
R-225. 2¼-in.	\$10.70	\$ 9.70	1200	20
R-250. 2½-in.	11.50	10.35	1000	22
R-300. 3 -in.	15.50	14.00	1000	36
R-400. 4 -in.	14.75	28.50	500	30
R-500. 5 -in.	16.40	58.00	300	38
R-600. 6 -in.	11.40	95.00	120	24

Square Pots

S-225. 2¼-in.	10.00	9.00	1000	17
S-250. 2½-in.	12.50	11.25	1000	22
S-300. 3 -in.	17.00	15.50	1000	35
S-400. 4 -in.	30.00	28.00	500	33

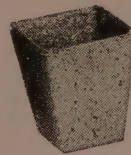
"CLOVERSET" POTS FOR PLANTS

Made of tough waterproof fiber fabric, asphalt-coated, similar to roofing. We do not break cartons. STANDARD HEAVY WEIGHT POTS.



Std. Pots	Top Dia.	Ht.	Per Carton	Wt. Per Carton	Per Carton	Per 1000
No. 0.	5 in.	5½ in.	200	48 lbs.	\$10.05	\$46.00
No. 1.	6 in.	6½ in.	100	34 lbs.	6.25	58.00
No. 2.	7 in.	9 in.	100	54 lbs.	7.50	69.50
No. 3.	8 in.	9 in.	100	55 lbs.	8.25	75.50
No. 4.	12 in.	12 in.	25	35 lbs.	8.75	

JACK PEAT POTS— STURDIWALL Individually Potted Bedding Plants



	PRICE PER 1000 POTS	Price Per Case	Pots Per Ctn.	Weight Per Ctn.
	1-9 Cases	10-24 Cases		
2¼-in. Round	\$ 9.12	\$ 8.69	\$27.36	3000 39 lbs.
2¼-in. Square	11.45	10.87	22.90	2000 37 lbs.
3-in. Round	15.79	15.00	15.79	1000 26 lbs.
3-in. Square	20.00	19.00	20.00	1000 39 lbs.

JACK PEAT POTS—THINLINE

Size: Top INSIDE measurements	PRICE PER 1000 POTS	Price Per Case	Pots Per Ctn.	Weight Per Case
	1-9 Cases	10-24 Cases		
1¾-in. Square	\$ 7.60	\$ 7.25	\$22.80	3000 28 lbs.
2¼-in. Round	\$7.95	7.60	23.85	3000 35 lbs.
2¼-in. Square	9.10	8.70	18.20	2000 32 lbs.
3-in. Round	14.00	13.35	14.00	1000 22 lbs.
3-in. Square	16.90	16.15	16.90	1000 31 lbs.

JACK POT TRAYS

Prices For Trays Only. Jack Pot Peat Pots Not Included.

	Trays Per Ct.	Price per Carton
1723B Holds 6 1¾-in. Sq. Pots	500	\$24.45
1734B Holds 12 1¾-in. Sq. Pots	200	13.78
2223B Holds 6 2¼-in. Sq. Pots	200	11.90
3023B Holds 6 3-in. Sq. Pots	200	31.98

SAUCERS — Jet Black

top dimension	Per Carton	Carton Price	Price per 1000
4-in.	100	\$ 6.50	4 lbs. \$52.00
5-in.	100	8.50	5½ lbs. 65.00
6-in.	100	10.50	7 lbs. 78.00

GARDEN SUPPLIES

LABELS BY PARCEL POST ADD POSTAGE; Check Your Zone Rates

GERMACO
HOTKAPS

Ideal Method of
Plant Protection

Excellent to protect early plants or seeds against frost, rain, wind and insects. Maintain perfect mulch, promote sturdy growth, increase yield and bring crops to maturity 2 to 3 weeks earlier. Easy to set out; directions on package. Made of waxed paper.

Steel Hotkap Setters, each \$2.15; Fibreboard Setters, each 35c.



HOTKAPS

24 Packages (20 Hotkaps to package) with paper setter	\$15.84 case	Resale Price \$1.10 pkg.
100 Hotkaps to package with setter	2.88 pkg.	4.80 pkg.
250 Hotkaps to package with setter	6.00 pkg.	7.95 pkg.
1000 in Carton	20.12 ctn.	26.15 ctn.
Fibreboard Setter	.18 each	.25 each
Steel Setter	1.60 each	2.15 each

BAMBOO CANE STAKES—JAPAN
Green Dyed, Lead Pencil Thickness

	Bale		Bale
1½ ft., 2000	\$ 7.50	3½ ft., 2000	\$22.50
2 ft., 2000	9.50	4 ft., 2000	25.00
2½ ft., 2000	14.00	5 ft., 1000	19.50
3 ft., 2000	16.50	6 ft., 500	15.50

HYACINTH STAKES

Pointed wood. Painted green.
1000 to bale.

12-inch, bale	\$5.25	18-inch, bale	\$6.60
15-inch, bale	5.90		

LABELS



In lots of 10,000 less 5%.
POT LABELS are ⅜ inch wide.

Size	Weight per Carton	Pounds Per carton	Prices per 1000
			Plain Painted
4-inch	4 lb.	3½	\$3.20 \$3.95
5-inch	5 lb.	4¾	3.45 4.30
6-inch	6 lb.	5½	3.80 4.75
8-inch	5 lb.	4	5.50 7.00
10-inch	6 lb.	5	6.75 8.50
12-inch	7 lb.	6	8.00 10.10

4", 5", 6", 1000 per carton; 8", 10", 12", 500 per carton.
We do not break the cartons.

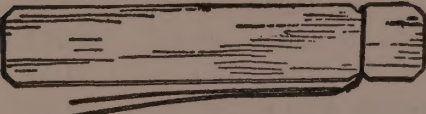
PLASTIC LABELS COLOR WHITE

5x5/8 inch, per 1000	\$5.00
6x5/8 inch, per 1000	5.80

GARDEN LABELS

Size	Pounds per carton	Packed in cartons	Price per carton
			Plain Painted
8x7/8 inches	3 lb. 2¾	250	\$2.25 \$2.50
10x7/8 inches	4 lb. 4	250	2.50 2.75
12x1½ inches	3 lb. 2	100	1.80 2.15

We do not break the cartons.



TREE LABELS
Wired

Packed 1000 to carton. We do not break the cartons. Per 1000

Plain—Weight 4 lbs.	\$3.85
Painted	4.90

STA-BRIGHT PLANT LABELS

ALUMINUM TREE LABELS. Wired, 3¾ inches long, ¾ inch wide. Made of light metal, mark with nail or steel point. 25 for 35c; 100 for \$1.30; 1000 for \$12.00.

MARKIT PLANT MARKERS

Plastic plant marker. Durable, weatherproof; for marking seed flats and plants. 25 markers to box, \$1.25. 5 boxes \$5.75.

PENCILS—WEATHERPROOF

For marking labels. Will not rub off or fade. \$1.20 doz.

GRAFTING WAX

Use smooth straight scion wood of one season's growth. ¼ lb., 50c; ½ lb., 90c.

GREEN THUMB GLOVES

Vinyl treated, dirt repellent, washable. Small, medium, large.
Dealer Cost Consumer
\$7.84 per doz. \$0.98 pair

SOFT TOUCH WOMEN'S GARDEN GLOVES

Only one size designed to fit any lady's hand from 5½ to 8. Blue, mint-green and yellow.
Dealer Cost Consumer
\$7.05 per doz. \$0.89 pair

SHEET MOSS

Sheet Moss green for lining hanging baskets. 5-lb. box, \$2.25; 10-lb. box, \$4.25; 20-lb. box, \$8.50.

SPHAGNUM MOSS

Carefully selected. Finest quality. Free from sticks.

Weight per bale, approximately
20 lbs.
Per bale...\$2.75 10 bales...\$26.50



"NODAMPOFF"
SPHAGNUM

"Nodamoff" Horticultural Milled Sphagnum Moss is highly successful in germinating and growing seeds and plants. "Nodamoff" is invaluable for rooting cuttings; does exceedingly well when mixed with equal parts of sand. Pkg., about 5 qts., \$.98; 12 bags per case, \$9.84.

"NODAMPOFF"
COMMERCIAL UNIT

For seed germination. Contains about 2 bu. in volume. Shipping weight, 7 lbs. \$3.50 per sack.

TWIST-EMS



Handy! Speedy!
PLANT TIE

TWIST-EMS

Twist-Ems are dark green, strong tapes with wire reinforcing making that perfect plant tie. Simply put around the stem and support and twist.

4 in. Bundle 250—35c; Box 5000 \$5.50; 3 lbs.
Pkg. of 100 Twist-Ems (8 in.) \$0.29
Carton of 36 pkgs. Per carton 6.26
Pkg. of 100 Twist-Ems (16 in.) .57
Carton of 36 pkgs. Per carton 12.31
250-ft. continuous roll, packed 12 to carton: \$7.20 per carton; \$1.00 per roll.

TUTTLE'S TREE WRAP

In rolls 3 in. wide, 50 ft. long. Dealer Cost Consumer
Display ctn. 12 \$3.92 case \$0.49

TREE WRAP

Duplex creped paper. 4 inches wide. 150 feet long. Weight 2½ lbs. per roll.
Dealer Cost Consumer
10 rolls \$7.75 per roll \$0.95 each

WAYWARD VINE SUPPORT

For training Ivy and other vines on brick and stone. Red and grey. Each box contains 25 supports, cement.

Box	12	Dealer Cost \$8.00 case	Consumer \$1.00 each
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FRANCIS WALL NAILS

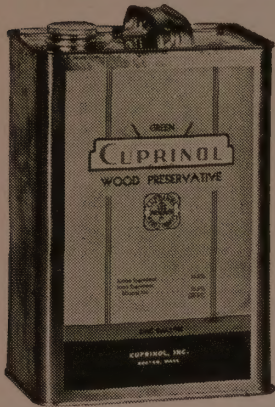
Lead heads. 20 asst. nails per box.
Display ctn. of 12 \$6.00 case .75 each

GARDEN SUPPLIES

SUPPLIES BY PARCEL POST ADD POSTAGE; Check Your Zone Rates

APRONS—Greenhouse

RUBBER: Medium heavy, soft and pliable, yet tough and durable. 45 inches long, Each \$4.50.



CUPRINOL WOOD PRESERVATIVE

Cuprinol No. 14

Especially recommended for dipping and will result in a considerable saving to the grower in the protection of flats and stakes. In dipping the flats should be immersed in the liquid from 4 to 5 minutes. 5-gal. can, \$11.20.

CUPRINOL No. 10

For wood. Dyed green for use on exterior and interior surfaces. Stops rot, fungus and wood destroying insects. Covers approximately 400 sq. ft. to the gallon. Will not harm plants.
1 gal.per gal., \$ 4.00
5 gal. can \$17.50

CUPRINOL CLEAR No. 20

This grade is for use over stains or where surfaces are to be left a natural finish. Gal., \$4.00; 5 gals., \$17.50.

WILT-PRUF

Wilt-Pruf is a liquid plastic. When plant materials are sprayed or dipped in Wilt-Pruf they are enclosed in a colorless protective plastic film. 8 ozs., \$1.49; qt., \$3.50; gal., \$10.75.

GOGGLES (Willson)

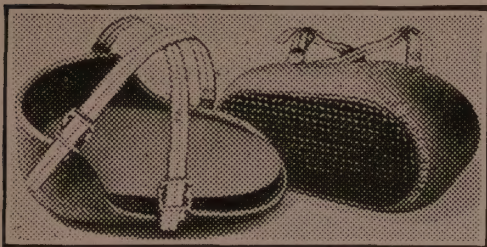
WILLSON MONO GOGGLES. Light weight goggle for protection of eyes while dusting or spraying. No. 107, each \$2.50.

RESPIRATOR (Willson)

Willson respirator for protection in outside spraying of Parathion or Nicotine. Willson Agri-Tox Respirator, each \$5.55.

DUST TYPE RESPIRATOR

Willson Dustite No. 2 D.....\$2.75



KNEE PADS

A practical, serviceable, comfortable giving knee cushion. As illustrated. Per pair, \$2.25.

NEEGARDS —
\$2.00 per Pair.

TWINE

COTTON TWINE—Very Best Grade

In balls, 3-ply; 5-lb. bag\$4.45
In balls, 4-ply; 5-lb. bag 4.45

TWINES ON CONES

Cotton Twine. 3 or 4 ply. White. In 2½-lb. cones, \$2.25;
5 cones, \$11.00.

SEA ISLAND TWINE

Used for wrapping small packages. Also for sprays and design work. Blue, green, red, pink, lemon, orange, purple, in 2-lb. cones, at \$2.65.

JUTE TOMATO TWINE

2-ply, ½-lb. balls, best grade. 40c per ball; 10 balls, \$3.50.

BINDER AND SISAL TWINE

(For Tying Boxes, Cartons)

Binder Twine, 8-lb. ball, \$2.25; 48-lb. bale\$12.00
Sisal Twine, 2-ply, 5-lb. ball 2.25

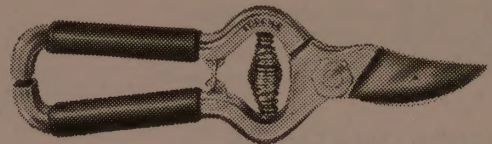
PRUNING SHEARS



IMPORTED GERMAN PRUNING SHEARS

Once again these high grade German shears are available.

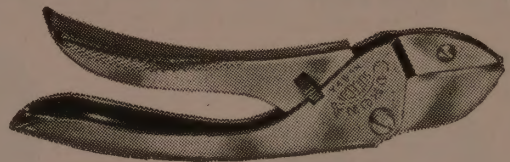
	Each	6
No. 84. 7 in. Finest quality	\$3.00	\$15.50
No. 84. 8 in.	3.25	18.00
No. 84. 9 in.	3.50	19.50



PROFESSIONAL HAND PRUNER

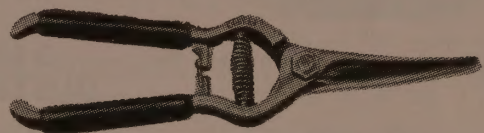
Corona-Rieser Pattern

No. 80. Made of the finest steel, 8 inches long, for trimming shrubs and trees. Each \$4.75.



SLICE CUT SHEAR

No. 89-A. Fits the hand like a glove—natural curvature prevents slipping of hand. Highest quality carbon steel. Each \$2.95.



CORONA CLIPPER

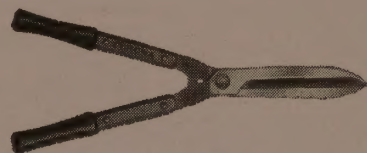
A very handy workroom shear. New, heavy duty style especially designed for the florist.

No. 21-S. Straight blade. Each \$2.60.



CORONA GRASS SHEAR

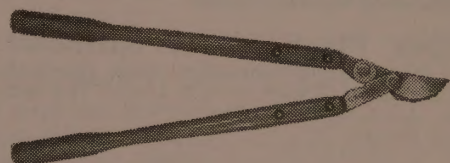
No. 5. Alloy steel, the finest cutlery steel available, is used throughout its construction. It's a light weight shear, beautifully finished and polished. Each \$2.95.



CORONA HEDGE SHEAR

The outstanding hedge shear. Meets the highest requirements demanded by professional users. 8-inch blade.

No. 7 - 9" handle. Each \$4.50. 7-L 20" handle \$5.95.



CORONA LOPPING SHEARS

Cutting blade hollow ground of finest steel. Handles of selected No. 1 Hickory. 26 inches overall. Each \$5.95.

GARDEN SUPPLIES
SUPPLIES BY PARCEL POST ADD POSTAGE

GOODYEAR RUBBER
GARDEN HOSE

We consider this the finest garden hose money can buy. Full, smooth, tough inner tube, reinforced with two braids of heavy rayon cord. Outer cover is attractive green.

Goodyear Emerald Cord, 50-ft. length 3/4 in. with brass couplings, \$23.50.

Goodyear Pathfinder, 5/8 in., single braid of heavy rayon cord, 50-ft. length with brass couplings, \$9.95.



**CLINCHER
HOSE MENDERS**
1/2 in., 5/8 in., 3/4 in.
Each 35c; doz., \$4.00

**CLINCHER
HOSE COUPLINGS**
1/2 in., 5/8 in., 3/4 in.
Each 60c; doz., \$6.50.

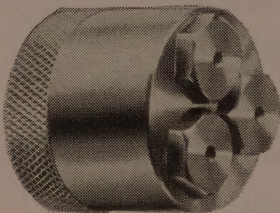
HOSE WASHERS

3/4 in., 15c per doz.; 1 in., 20c per doz.

SUNBEAM HOSE NOZZLE

Can be adjusted from fine spray to steam. Price, \$1.75 each.

FOGG-IT-NOZZLE



This fog spray will lay a dew on young plants. It breaks the water into a fine fog. \$1.85 each.

SMITH
BRONX SPRAYER

Unexcelled for spraying plants in the home. Sprayer made entirely of brass, nickel-plated. Sprayer screws to glass bottle. Easy pump stroke up and down. Bronx Bottle Sprayer, qt. size, \$2.50



**ANDREWS Plastic
HOSE SPRINKLER**

30 FT. WEIGH LESS THAN 1 LB.
COPYRIGHT 1953, A. M. ANDREWS CO.

Andrews Plastic Hose Sprinkler

Because it is 2 tubes of lightweight plastic the Andrews Sprinkler will sprinkle 2 ways or only 1 way. The spray is gentle as an April shower, so fine it will not harm the most delicate flowers.

	Dealer Cost	Suggested Consumer
20 ft.	\$1.57 each	\$2.49 each
30 ft.	2.23 each	3.65 each
50 ft.	3.32 each	4.98 each
100 ft.	6.25 each	9.75 each



Gives the same fan-like spray.
Sprinkler No. 10.....\$1.45

LAWN SPRINKLERS

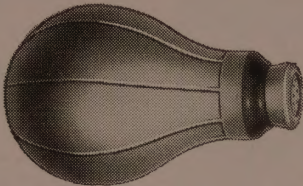
Rain King Sprinkler

Chrome plated. Adjustable for coarse or medium shower. Can be used for revolving or stationary sprinkling by simply turning lock wheel. 11 1/4 in. tall; 9 1/4 in. from nozzle to nozzle.
Model H\$9.75

SPRABULB

THE FLORIST FAVORITE

None better for floral work. Made of the best quality of rubber and will outwear any other sprinkler.



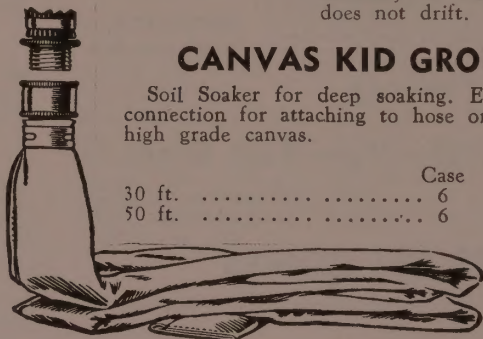
No. C, 12 Oz.....Each \$1.60
Dealer's Price\$14.40 Dozen

2 SPRAY HEADS FOR
DUSTING AND SPRAYING

EACH \$1.98

EROSIONET

250-yard Roll	45 in.
Weight	Per Roll
105 lbs.	\$39.60
	Per Yd.
	29c



CANVAS KID GROUND SOAKER

Soil Soaker for deep soaking. Equipped with regular hose connection for attaching to hose or pipe. Made from sturdy, high grade canvas.

	Case	Dealer Cost	Suggested Consumer
30 ft.	6	12.06	3.49 each
50 ft.	6	19.95	4.98 each

VISQUEEN FILM

Plastic film recommended for covering when using MC-2. Visqueen Film is light and easy to handle. Also used for insulation barrier in green-houses.

	Per Roll
2 Mil Visqueen Film	
4 ft. 2 in. x 200 ft.	\$ 5.00
8 ft. 4 in. x 200 ft.	10.00
4 ft. x 100 ft.	4 Mil \$ 4.40 6 Mil \$
6 ft. x 100 ft.	6.50 9.75
8 ft. x 100 ft.	8.70
10 ft. x 100 ft.	10.80 16.20
12 ft. x 100 ft.	13.00 19.50
14 ft. x 100 ft.	15.20 22.80
16 ft. x 100 ft.	4 Mil \$17.40 6 Mil \$26.10
20 ft. x 100 ft.	21.60 32.40
24 ft. x 100 ft.	26.00 39.00
28 ft. x 100 ft.	30.40 45.60
32 ft. x 100 ft.	34.80 52.20

GARDEN SUPPLIES

SUPPLIES SHIPPED BY PARCEL POST ADD POSTAGE; Check Your Zone Rates

CYCLONE BROADCAST LAWN SPREADER

Improved Model "B" 8-inch wheel. For seeds, granular and pellet type fertilizers, herbicides. Packed 1 per carton. Shipping weight 20 lbs. \$25.45.



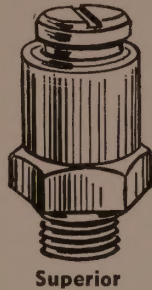
CYCLONE SEED SOWER

Very popular and extensively used. The bag holds about 1/2 bushel of seed. It is easily operated. Cyclone Seeders, standard. \$5.25 Tin Horn Seeders, each. \$2.15

SKINNER SYSTEM NOZZLES

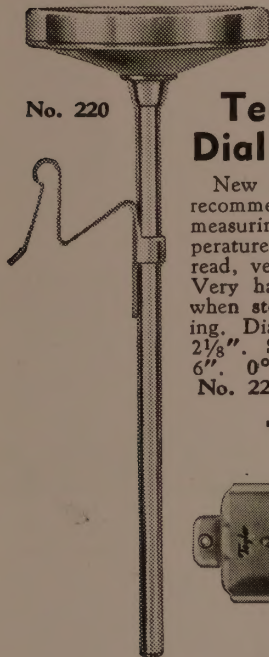
Silver Stream. Famous nozzle for outdoor use.

	Each
SS Silver Stream	\$0.13
ST Short Throw	.24
ST 50 Degrees	.24
ST 80 Degrees	.24
Superior Greenhouse Nozzles	.60
Skinner Drill Bits	6.50
Humidifying Nozzle	1.75
Skinner Brass Coupling. 3/4 in.	2.50
Skinner Brass Coupling. 1 in.	3.25



Superior

SOIL THERMOMETER

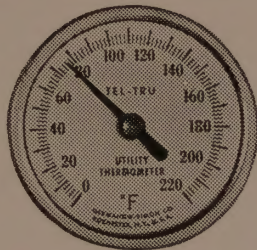


No. 220

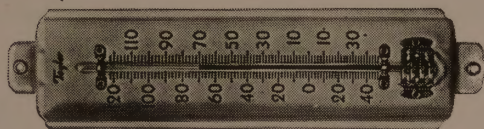
Tel-Tru Dial Stem

New type, highly recommended for measuring soil temperatures. Easy to read, very accurate. Very handy to use when steam sterilizing. Dial diameter, 2 1/8". Stem length 6". 0° to 220°.

No. 220. Each \$3.50



THERMOMETERS



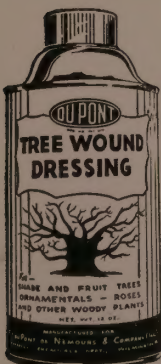
No. 5132

Outdoor Wall Thermometer

No. 5132. Has 7 in. vitreous enameled scale with flanged sides. Magnifying lens tube with non-fading red liquid. Each \$1.75.

Wall Thermometer

No. 5140. Magnifying lens tube with non-fading red liquid. Range suitable for outdoors. Ivory finished scale and grey finished wood back. Each \$1.35.



TREE WOUND DRESSING— HAMMONDS

Half Pint	24	\$14.40	case	\$0.90	each
Pint	12	13.20	case	1.65	each
Quart	12	19.60	case	2.45	each
Gallon	4	21.34	case	8.00	each

DU PONT TREE WOUND DRESSING

Du Pont Tree Wound Dressing comes in a handy pressurized can for easy application.

	Dealers	Consumers
	Case	Each
1 doz. 12-oz. cans (Aerosol)	\$14.15	\$1.89
1 doz. 5-oz. cans (Aerosol)	7.35	.98

ASPARAGUS KNIVES or WEEDER

V-shape blade, polished. Can be used as a weeder. Each \$1.25.

GARDEN TROWELS

STAINLESS STEEL GARDEN TROWEL. The finest trowel made. Forged from highest quality steel and highly tempered. Width 3 inches, depth 4 inches, handle 5 inches. Each \$1.10.

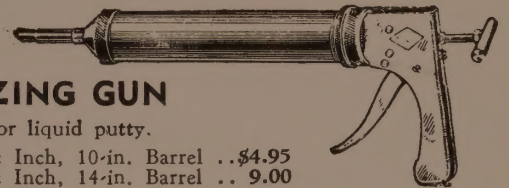
No. 222 STRAWBERRY TROWEL. For transplanting plants. 5 1/2-inch blade and shank made in one piece. Each 50c.

No. 217 TRANSPLANTING TROWEL. The 6-inch blade is narrow and curved. Each 55c.

No. 300 SPADING FORK (3 Tines). Steel tines on lacquered red polished hardwood handle, length 11 inches. Each \$1.15.

IDEAL WEEDERS

Peculiar shape permits a wide range of work. Each 95c.



GLAZING GUN

Best for liquid putty.

No. 32. 32 Cubic Inch, 10-in. Barrel ..\$4.95
No. 45. 45 Cubic Inch, 14-in. Barrel .. 9.00

GREENHOUSE PUTTY

Master Mastics—Master Filler

Gun Grade. A superior grade which will not dry out or crumble. Seals tight, remains soft and pliable. Gal., \$5.05; 5-gal. can, \$24.75.

MASTER SEAL-IT

Sealer, filler and paint all in one. Gal., \$8.05; 5 gals., \$39.75.

PERMA-GLAZE PUTTY

Gun Grade Gal. \$3.10; 5 gals., \$15.00.
Knife Grade.Gallon \$3.10; 5 Gal. \$14.50

WHITE PAINT

MASTER MASTICS BAR WHITE PAINT

Gal., \$6.05; 5 gals., \$29.75.

GREENHOUSE WHITE SHADING

50-lb. bag, sufficient for 600 to 700 sq. ft., \$1.50.

NATIONAL GLASS SHADING

Powdered form ready to mix. 25 lbs. covers 1,000 sq. ft. 100-lb. drum, \$15.50.

GLAZING POINTS—Straight GALVANIZED WIRE BRADS

Easy to drive and made so they will not wedge or crack the glass in driving. Easy to drive with a chisel.

Wire Brads, 3/8-inch, 1-lb. boxes\$0.60

GLASS CUTTERS

Fletcher's Bronze Bearing, 60c each.

GLAZING CHISEL

For applying glazing bands. Each \$3.75.

PEARL CHIPS

PEARL CHIPS, White. For growing bulbs in bowls. 10 lbs., \$1.20; \$6.50 per 100 lbs.

PEARL CHIPS, Colored. 10 lbs., \$1.20; \$7.50 per 100 lbs.

RAFFIA

Finest grade West Coast Majunga. Natural finest imported.
1 lb.\$1.00 5 lbs.\$4.50

SIMPLEX SOIL TEST OUTFIT

Complete instruction book, directions and charts included. All packed in a strong metal box. The Junior, \$36.50 complete.

SUDBURY SOIL TEST KIT

	Number to Case	Dealer Cost	Suggested Consumer
Model D	12	\$2.65 each	\$3.98 each

For analyzing soil for nitrogen, phosphorus, potash and acidity.

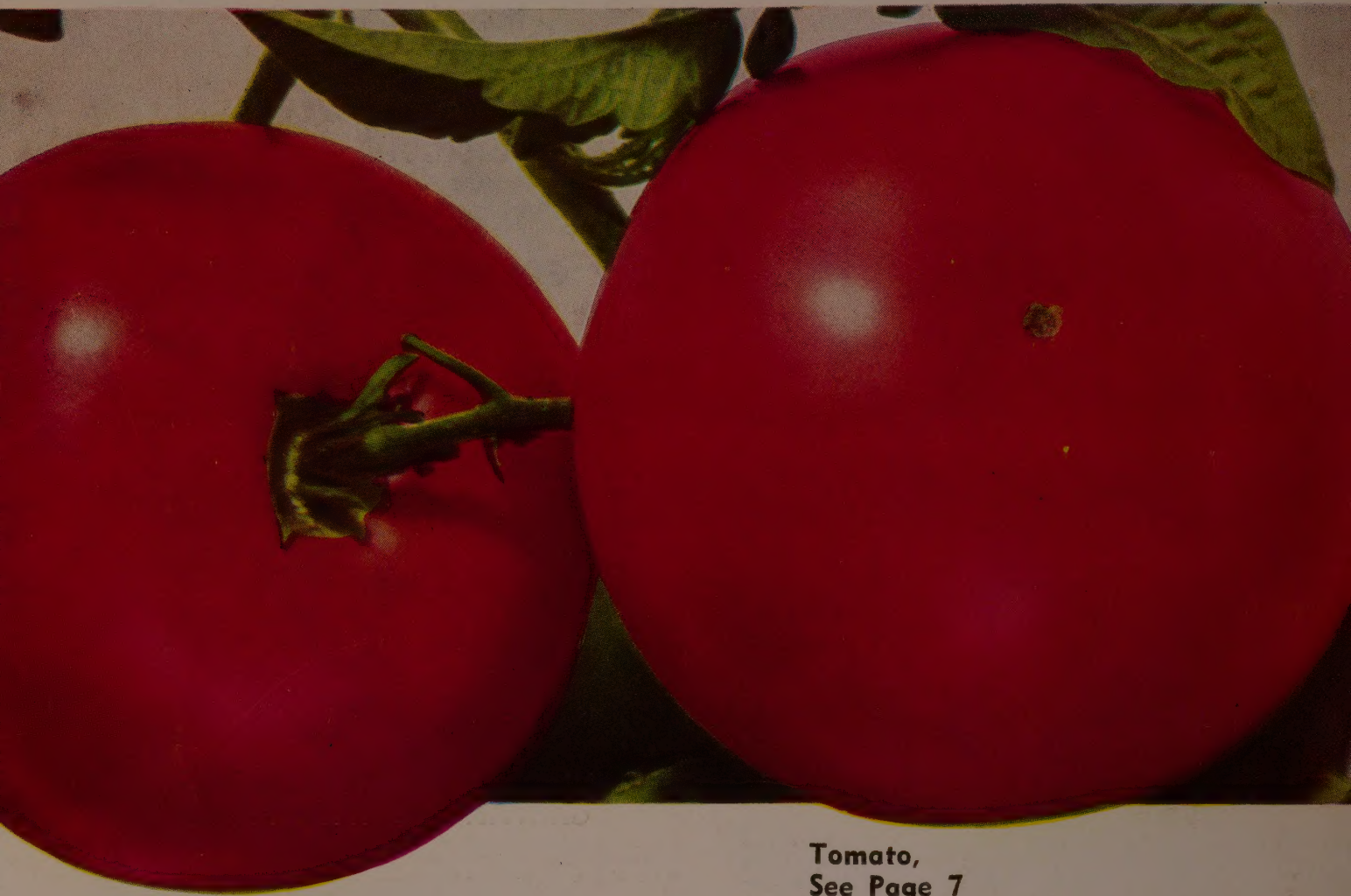
SOILTEX

An accurate test for soil reaction. \$1.50 each

Selected . . .

VEGETABLE SEEDS

Pages 1 to 7



Tomato,
See Page 7

A. H. HUMMERT SEED CO.

2746 - 48 Chouteau Ave.

Phone: PRospect 1-0646

St. Louis 3, Missouri